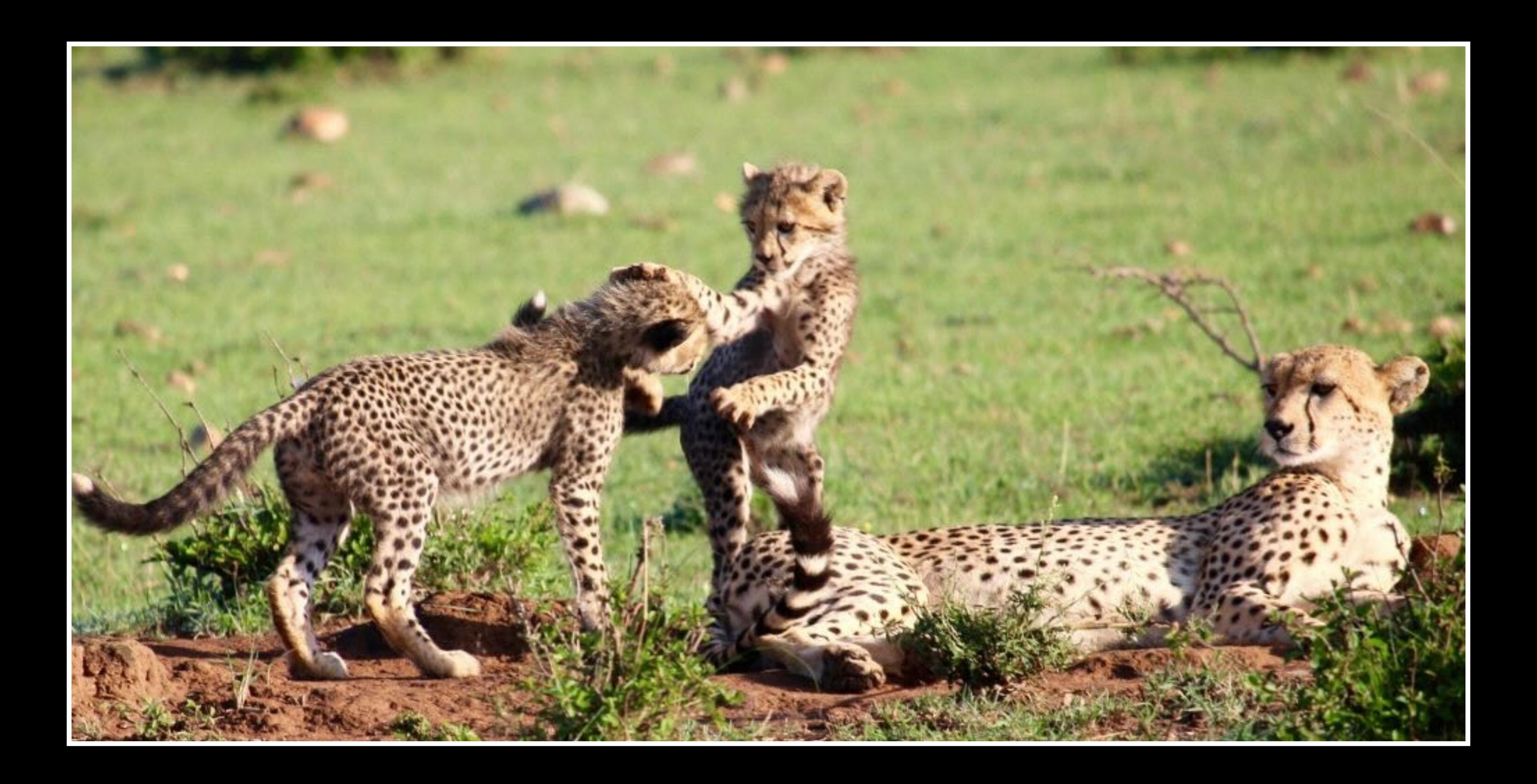


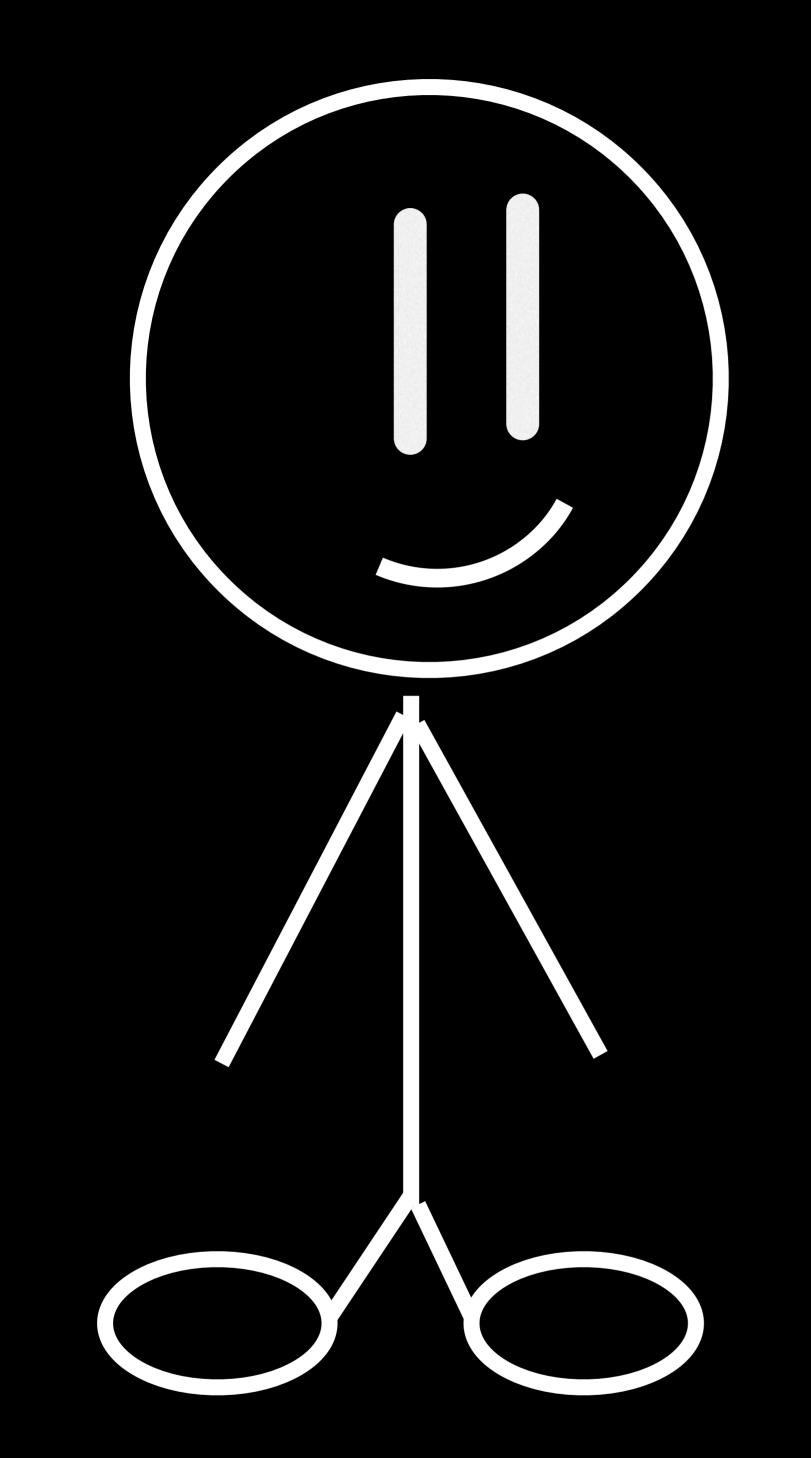
last slide

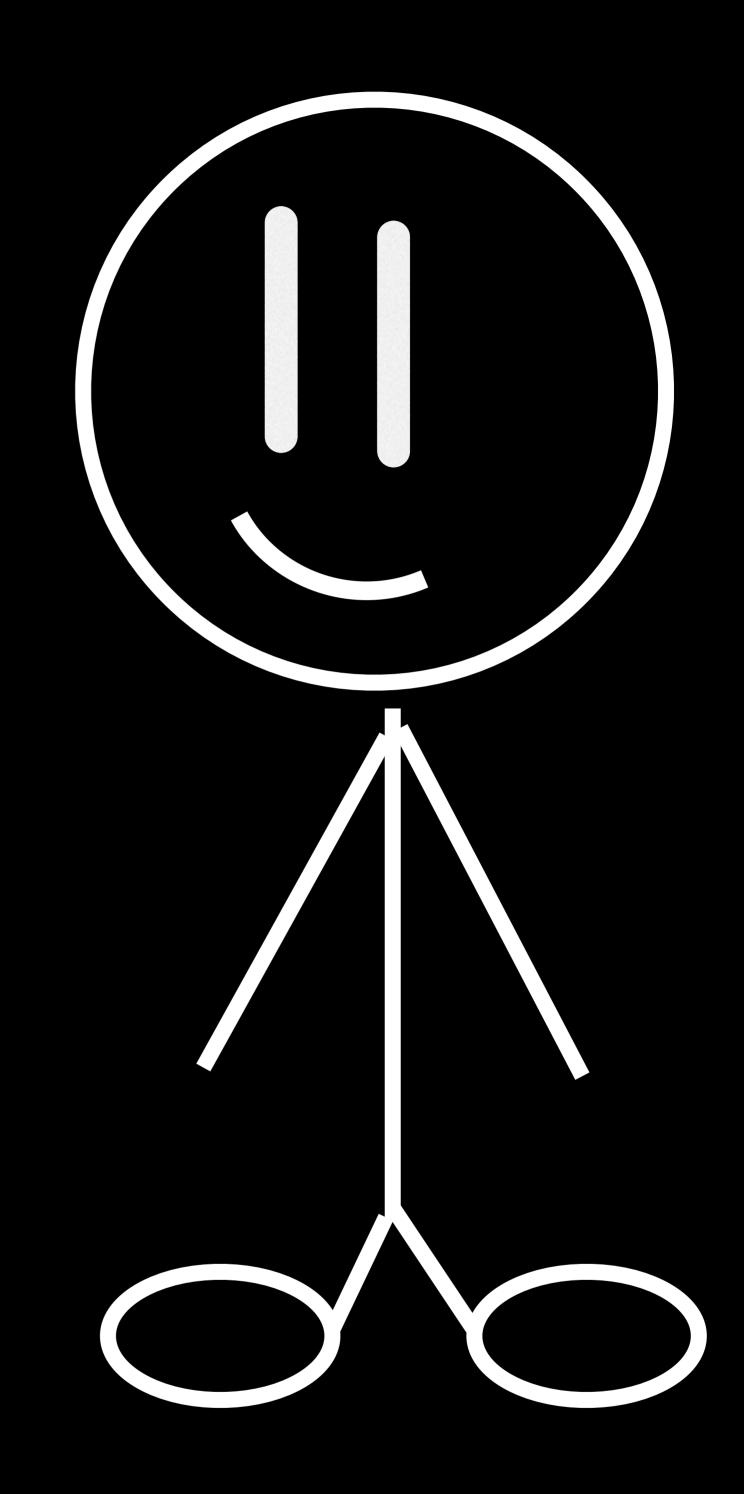


Motivating Students in the 21st Century

© paulandersen bozemanscience.com

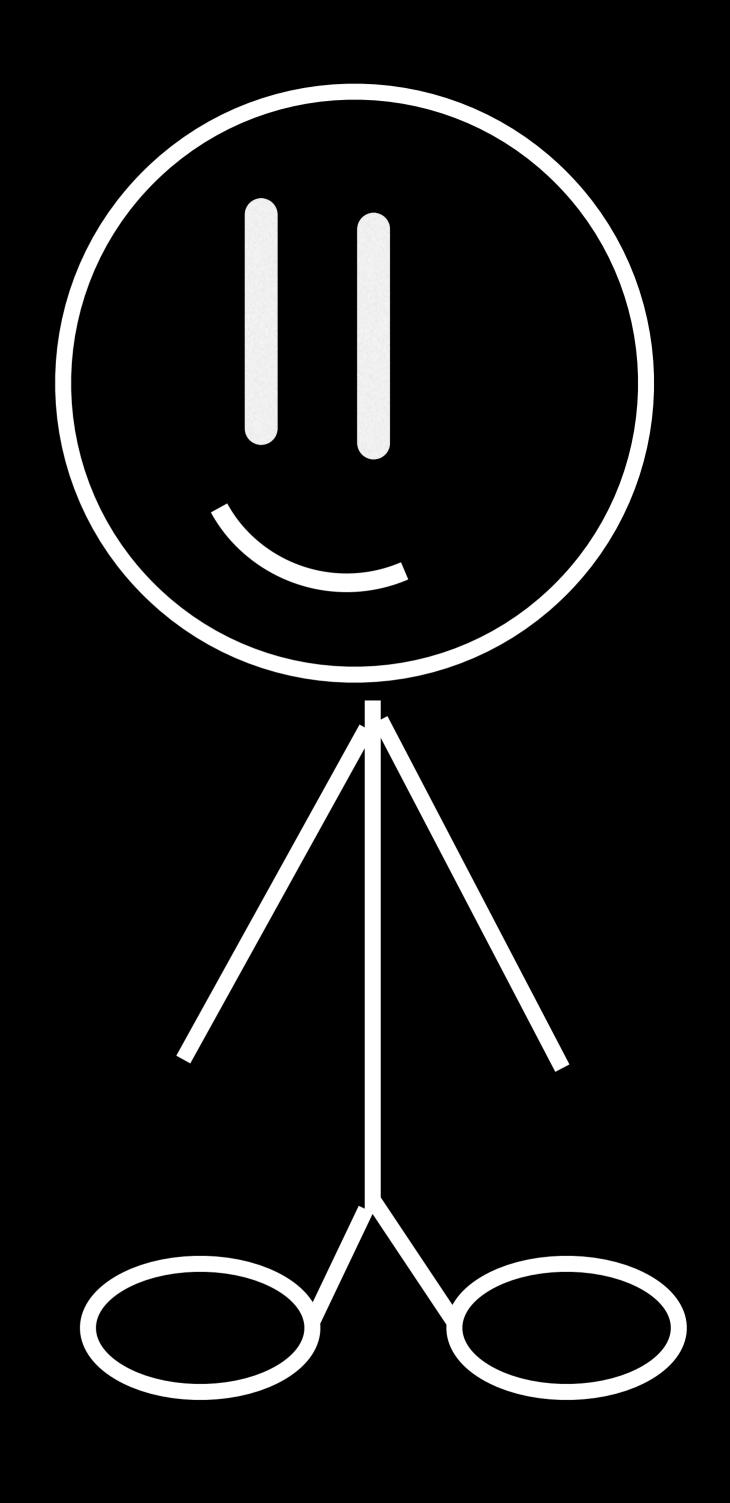
Motivating Students Today

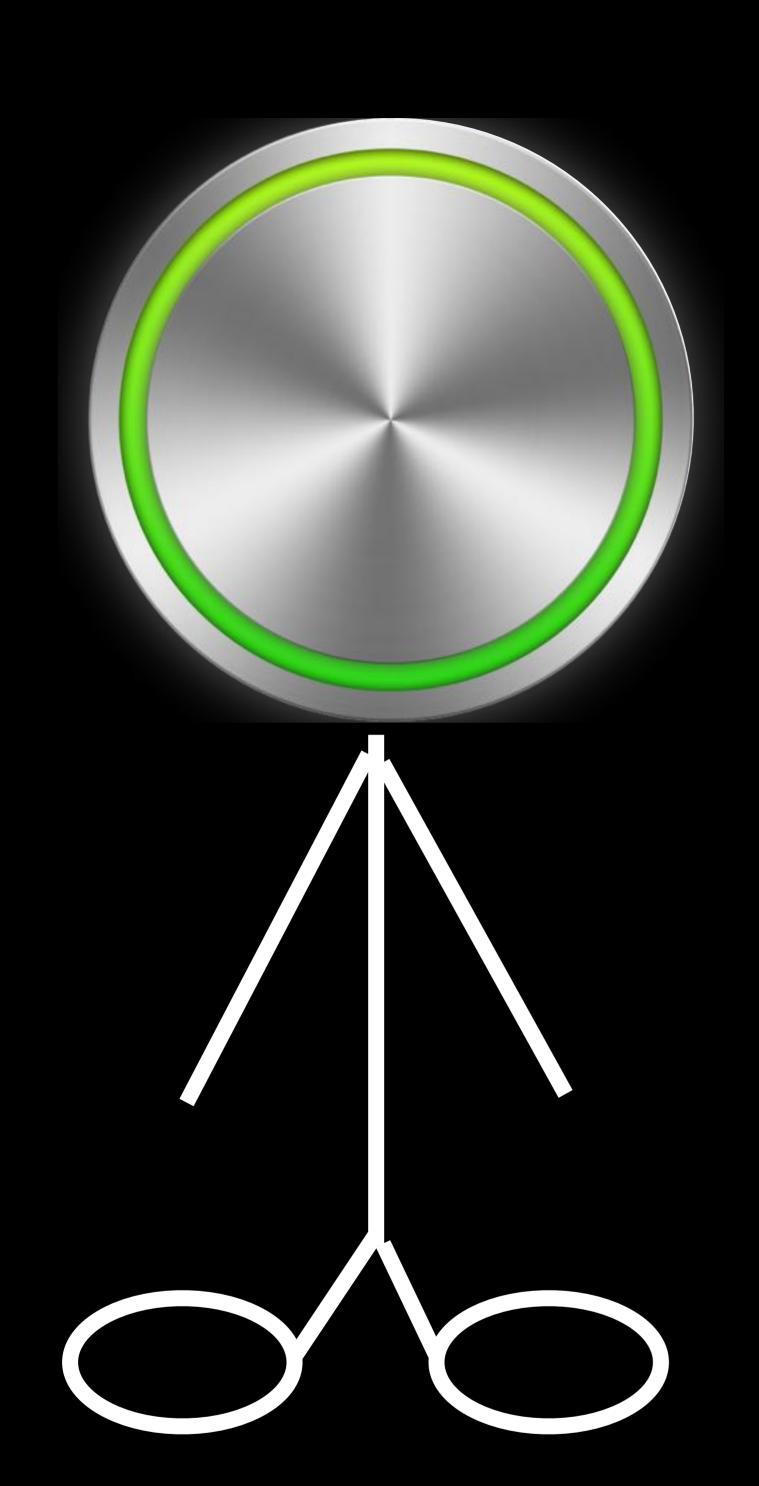










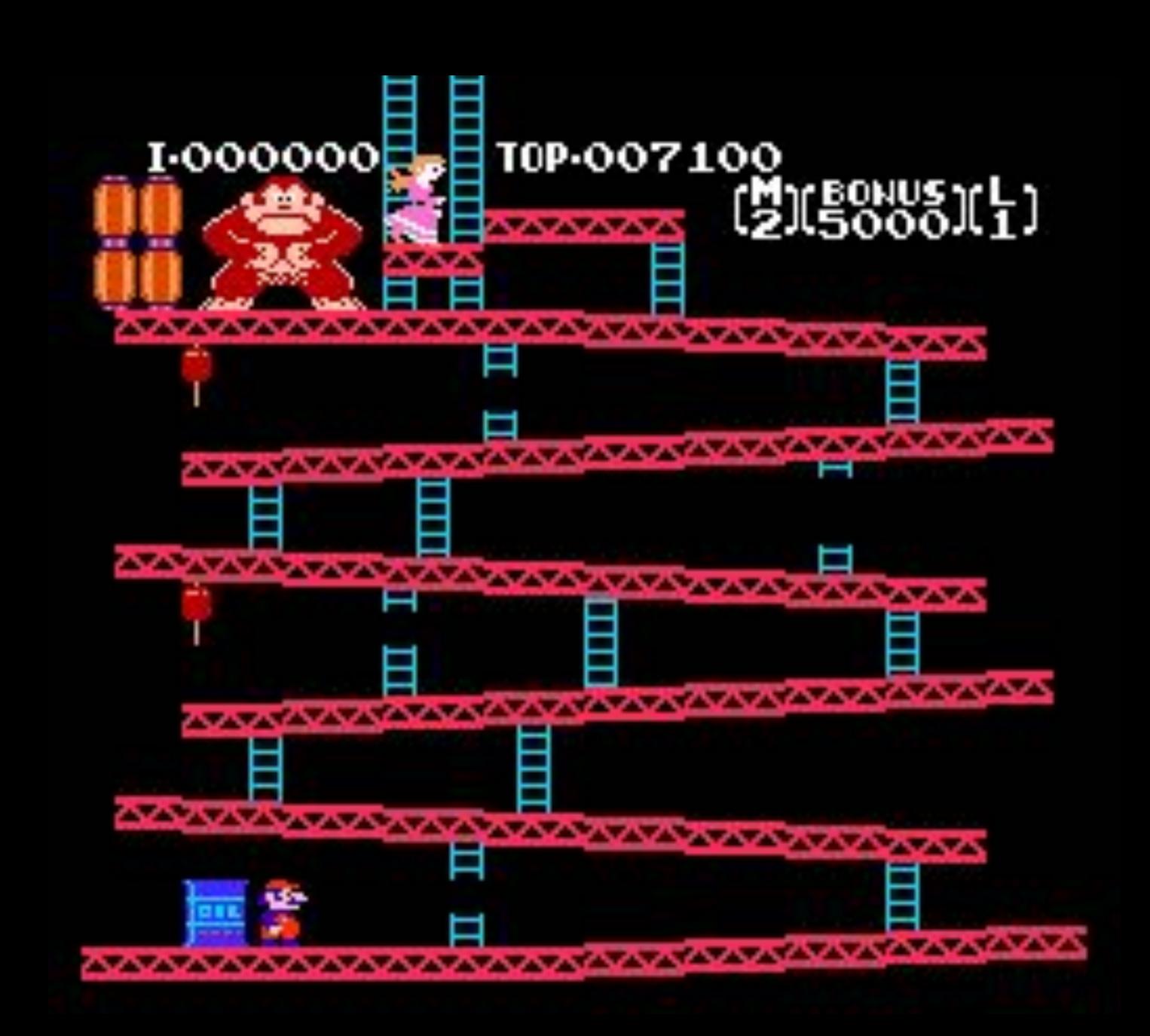


Digital Natives



Motivation

Motivation





nterna

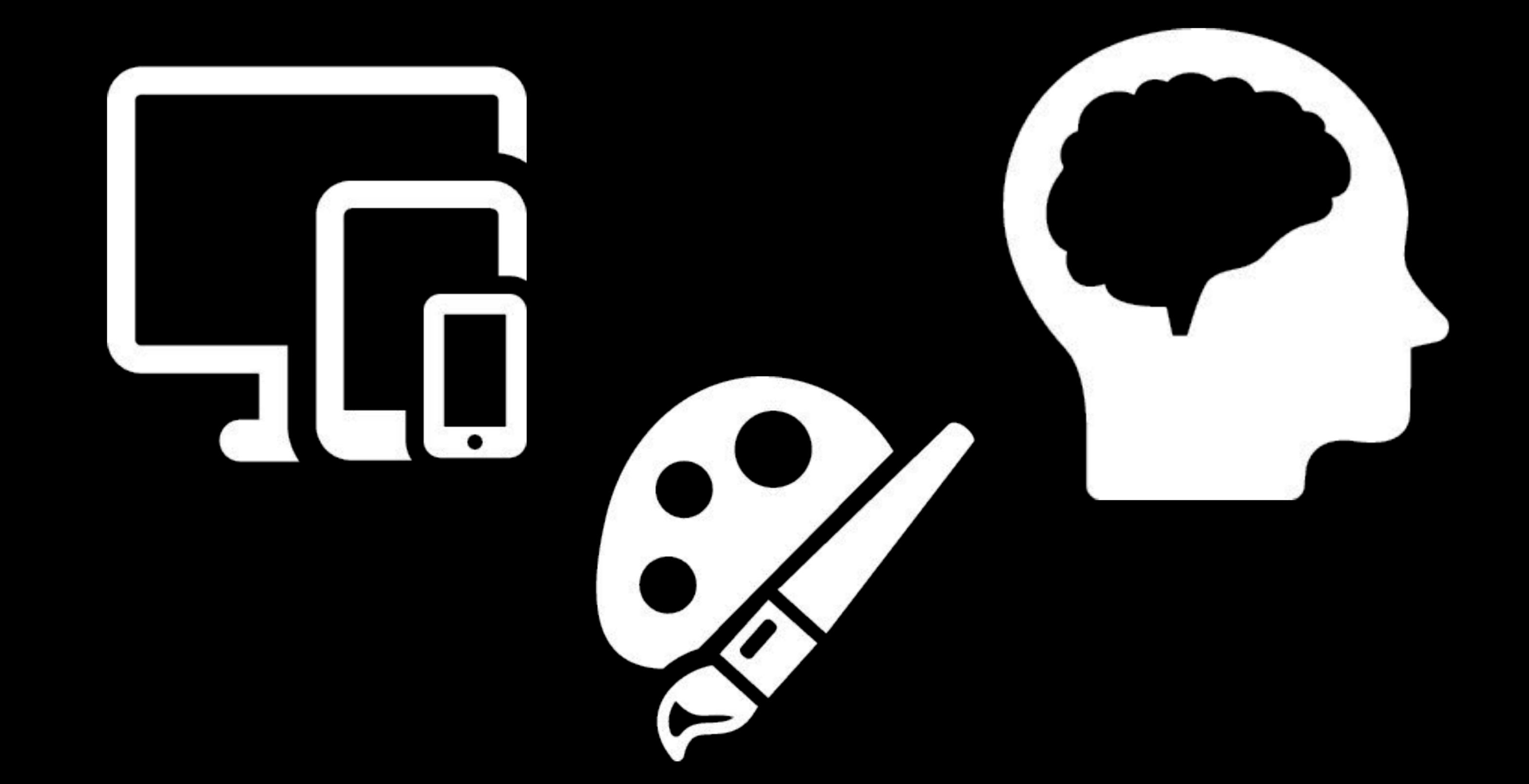
External

Motivation





Why Are Schools Changing?





make it stick

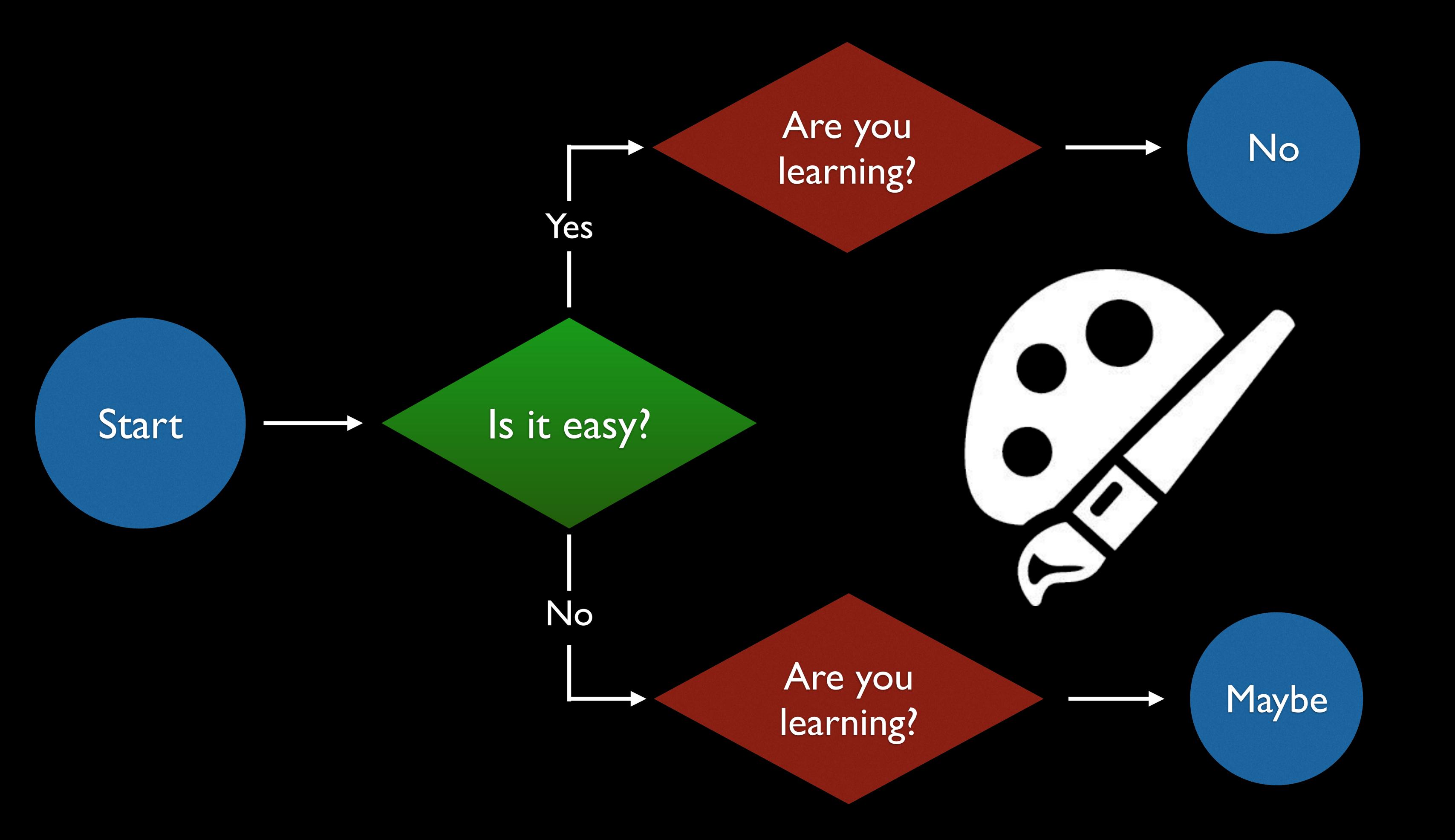


The Science of Successful Learning

Peter C. Brown

Henry L. Roediger III

Mark A. McDaniel



Simon Says



Real World Via Mosaic

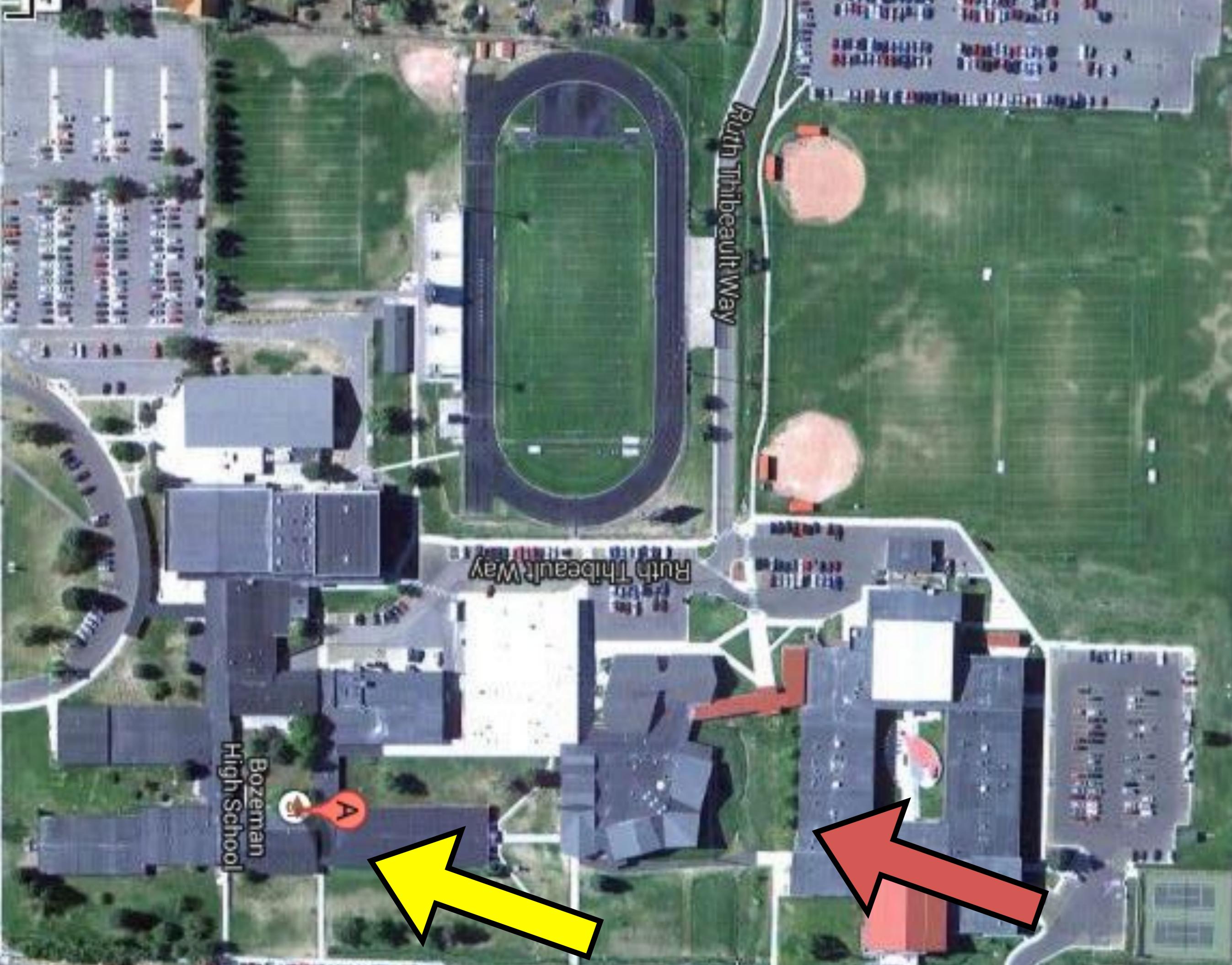
Oct 17-21, 1994.)

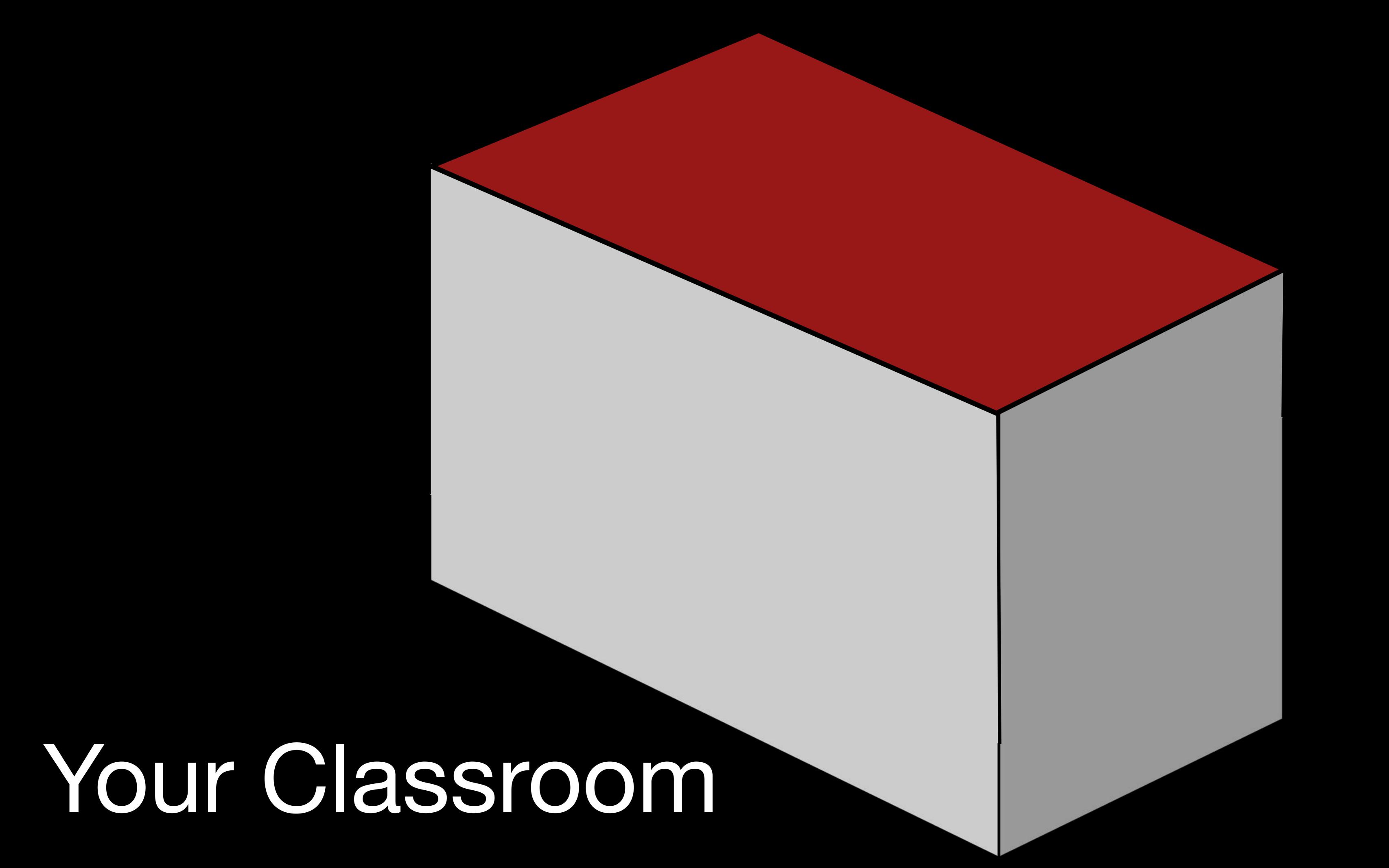
Web" and interact with the real world. An ctrical engineers collaborated on the project, designing a pneumatic system. By clicking on an ISMAP control tically or horizontally in order to obtain a desired owing users to direct short bursts of compressed air onto ccavate" regions within the environment by positioning cleared region. This paper describes the system in sures, user authentication, and interface design. We see ions.

ans all major platforms. Thousands of sites have been set up a teleoperated robot, thus allowing users to reach beyond

ould be low in cost (we had an extremely limited budget). It

n 2009-04-13 5:17:57





y our Classroom



Good Design



Good Design



Good Design

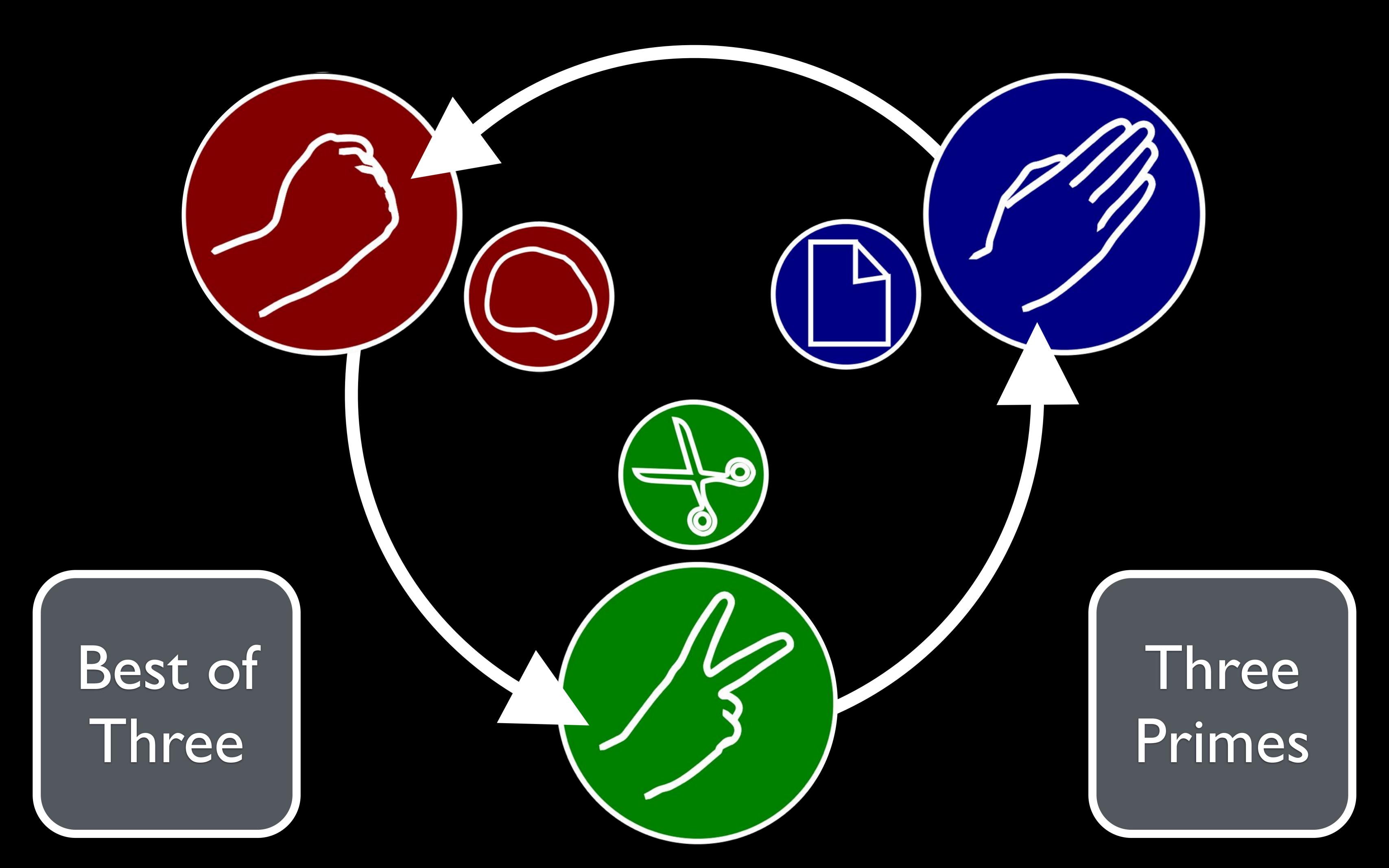




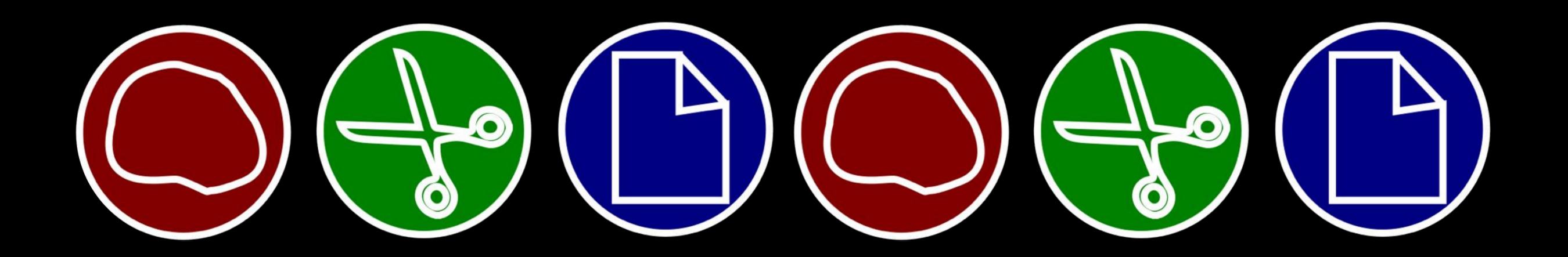


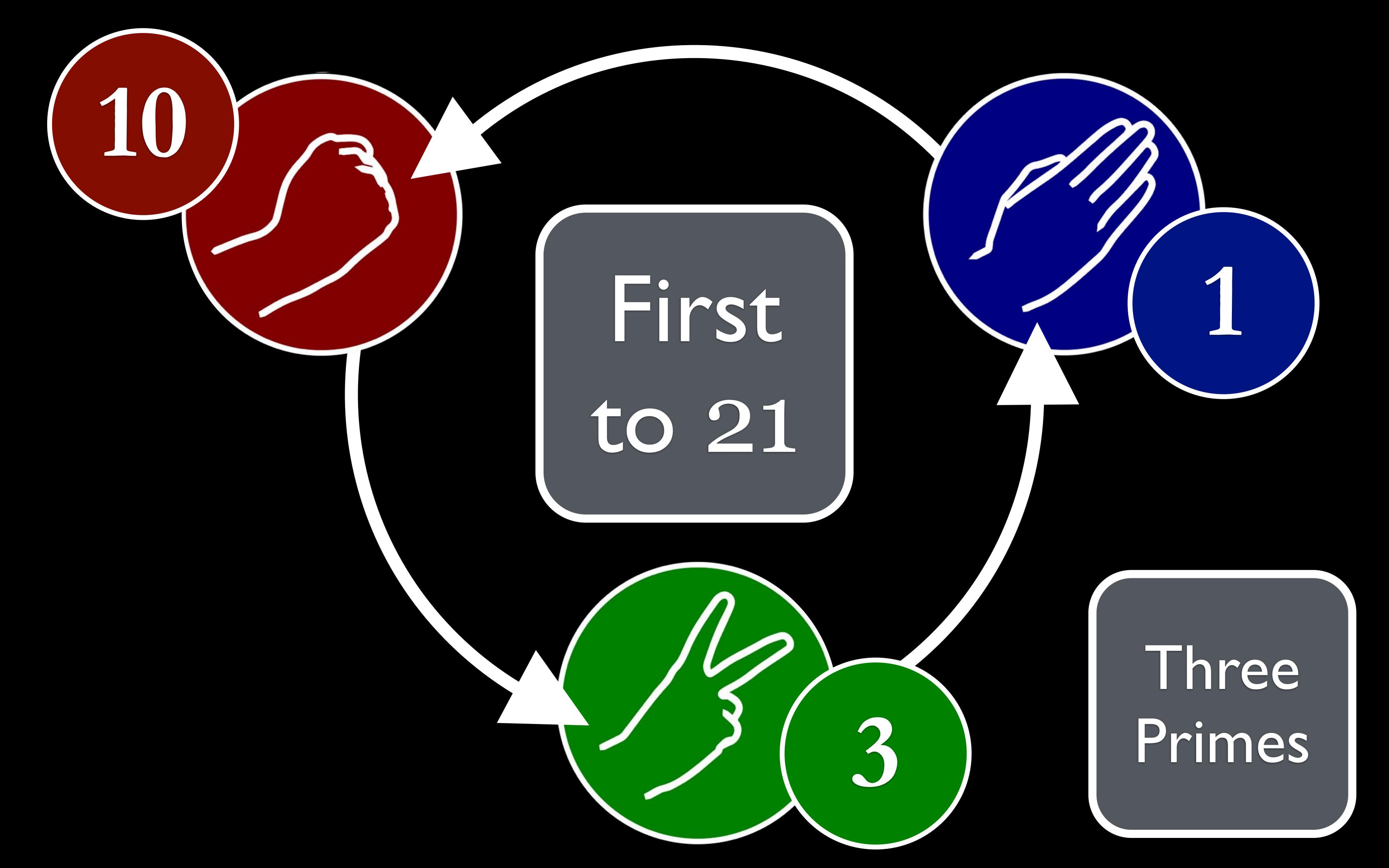
"People who do not break things first will never learn to create anything."

- Filipino Proverb



Andersen Rules



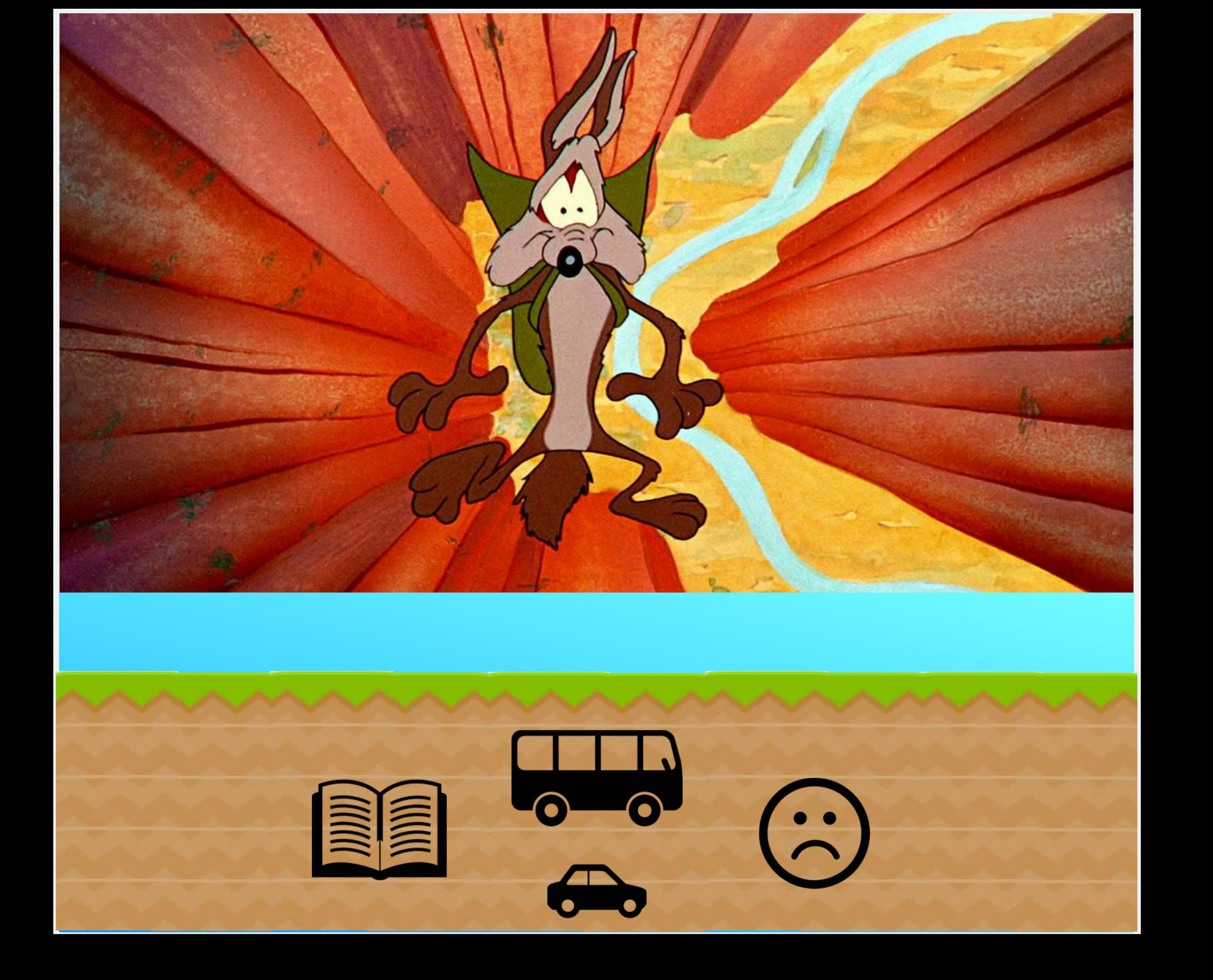




The Leap

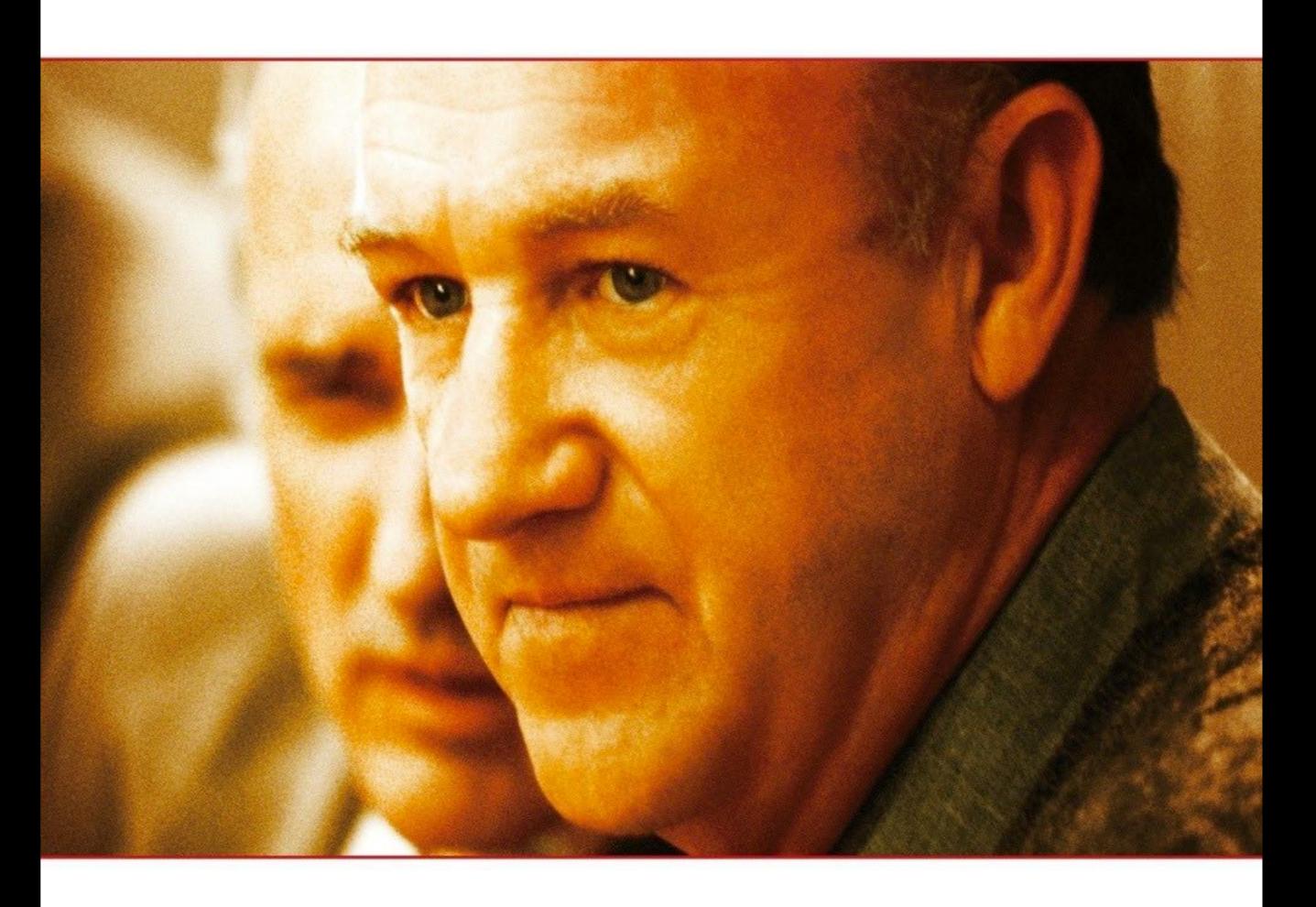
William Cimillo

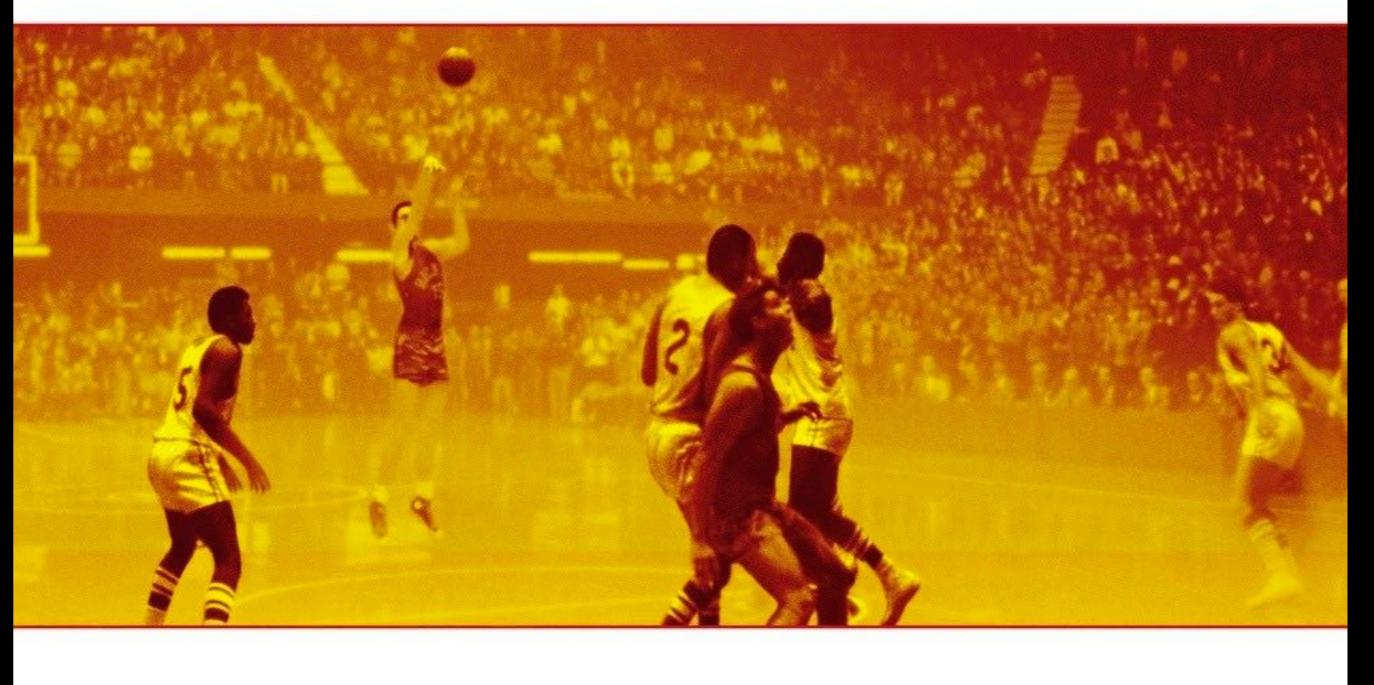




The Leap

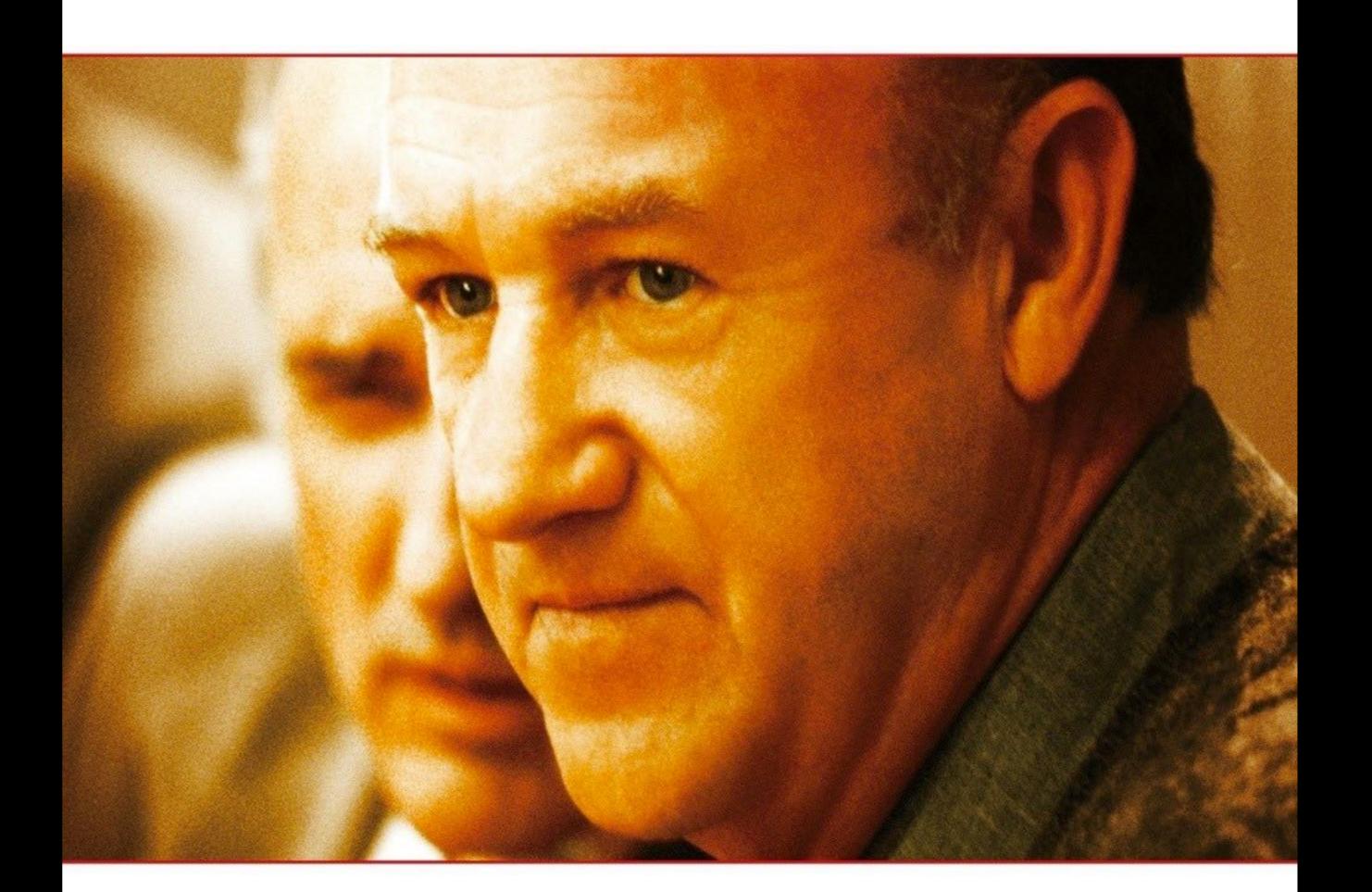
Your favorite sports movie

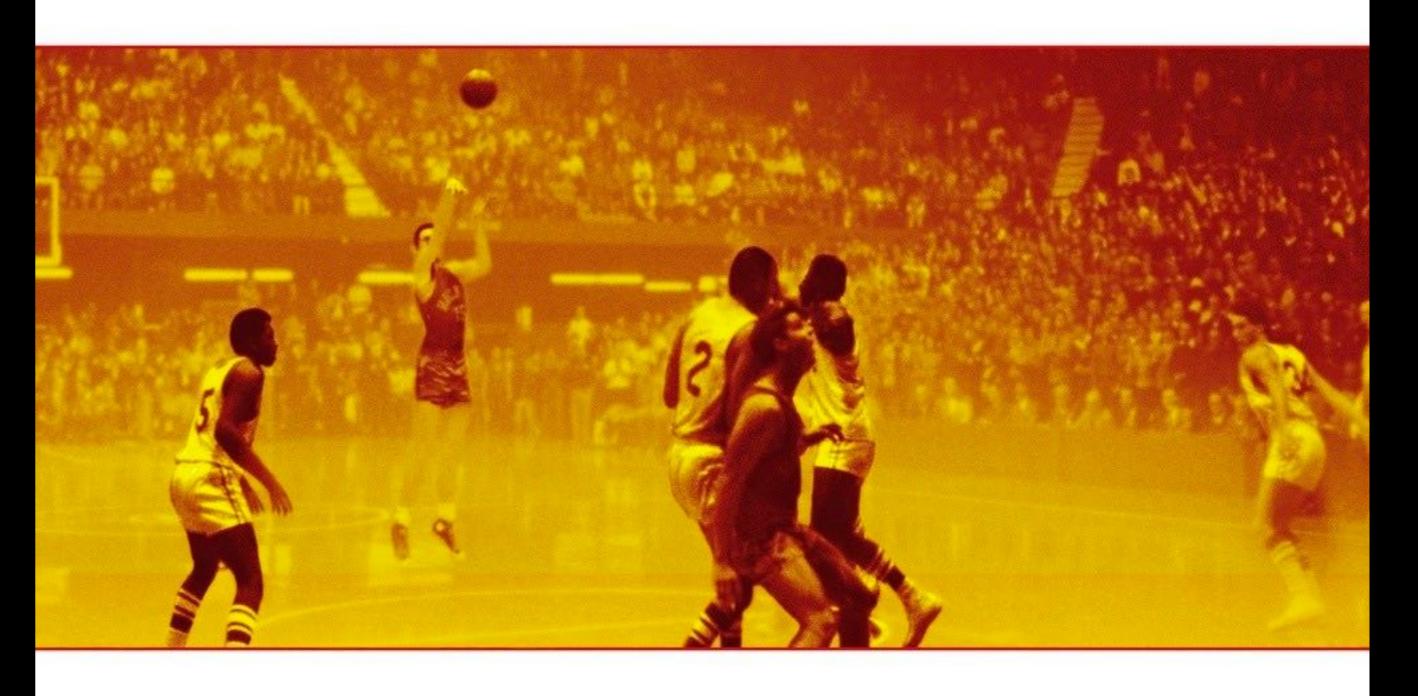




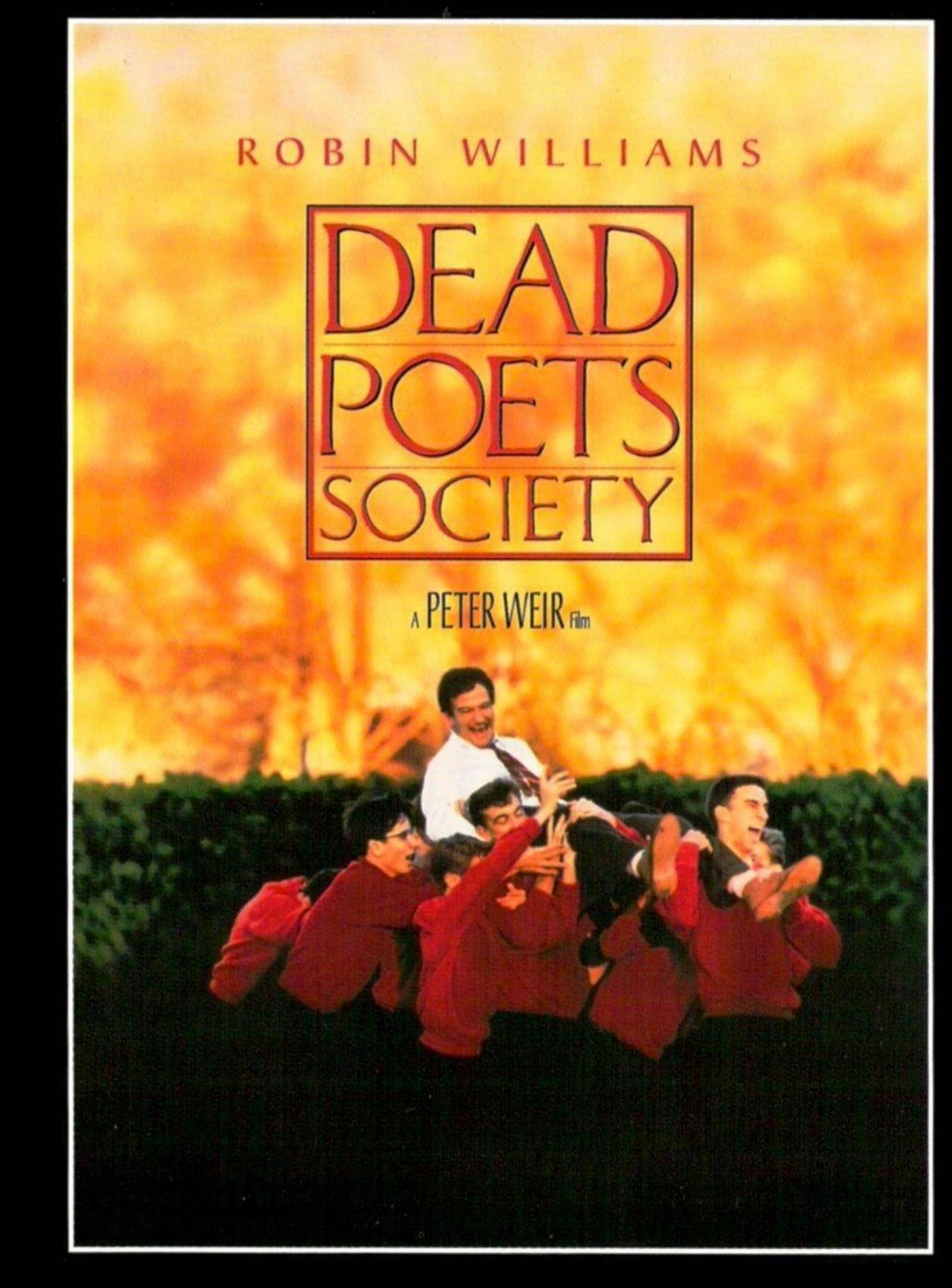








Your favorite school movie



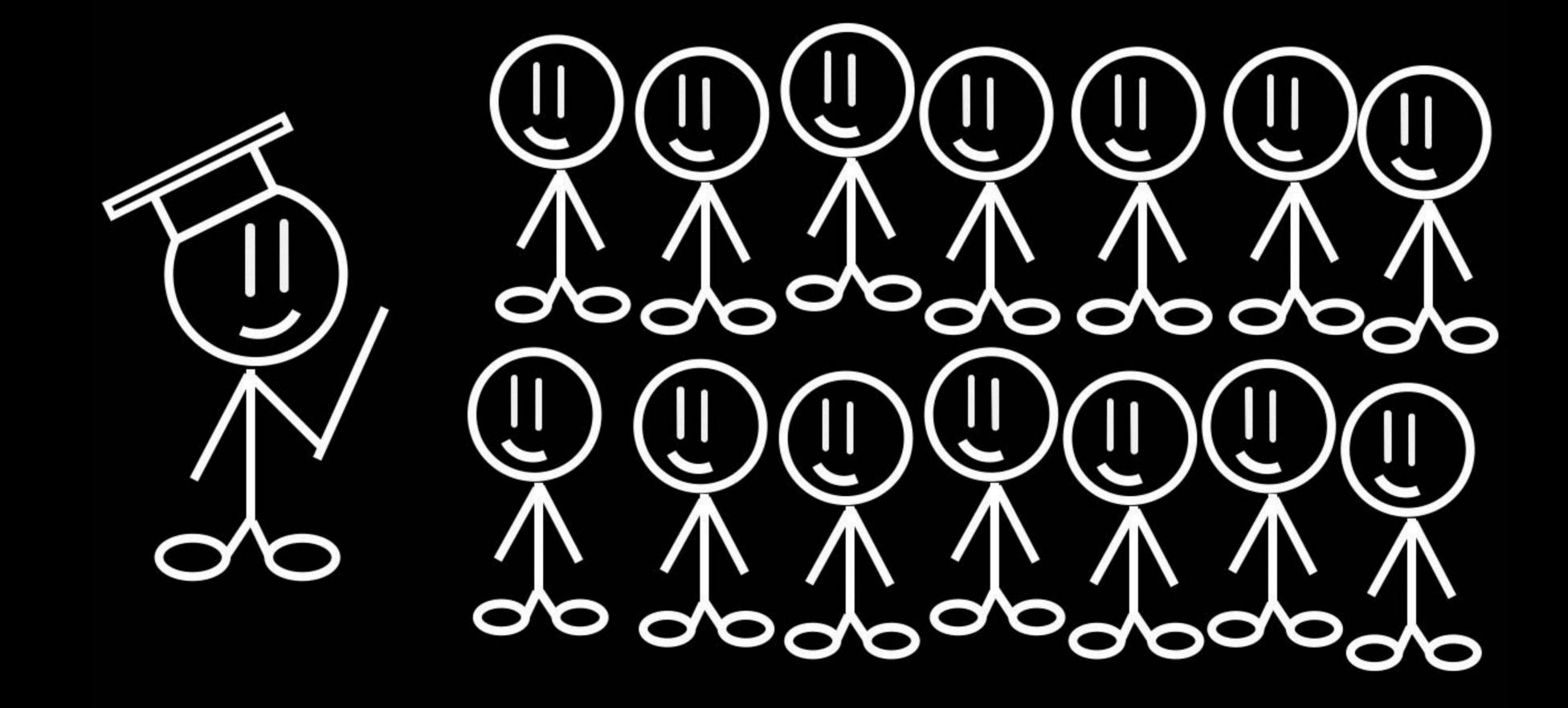


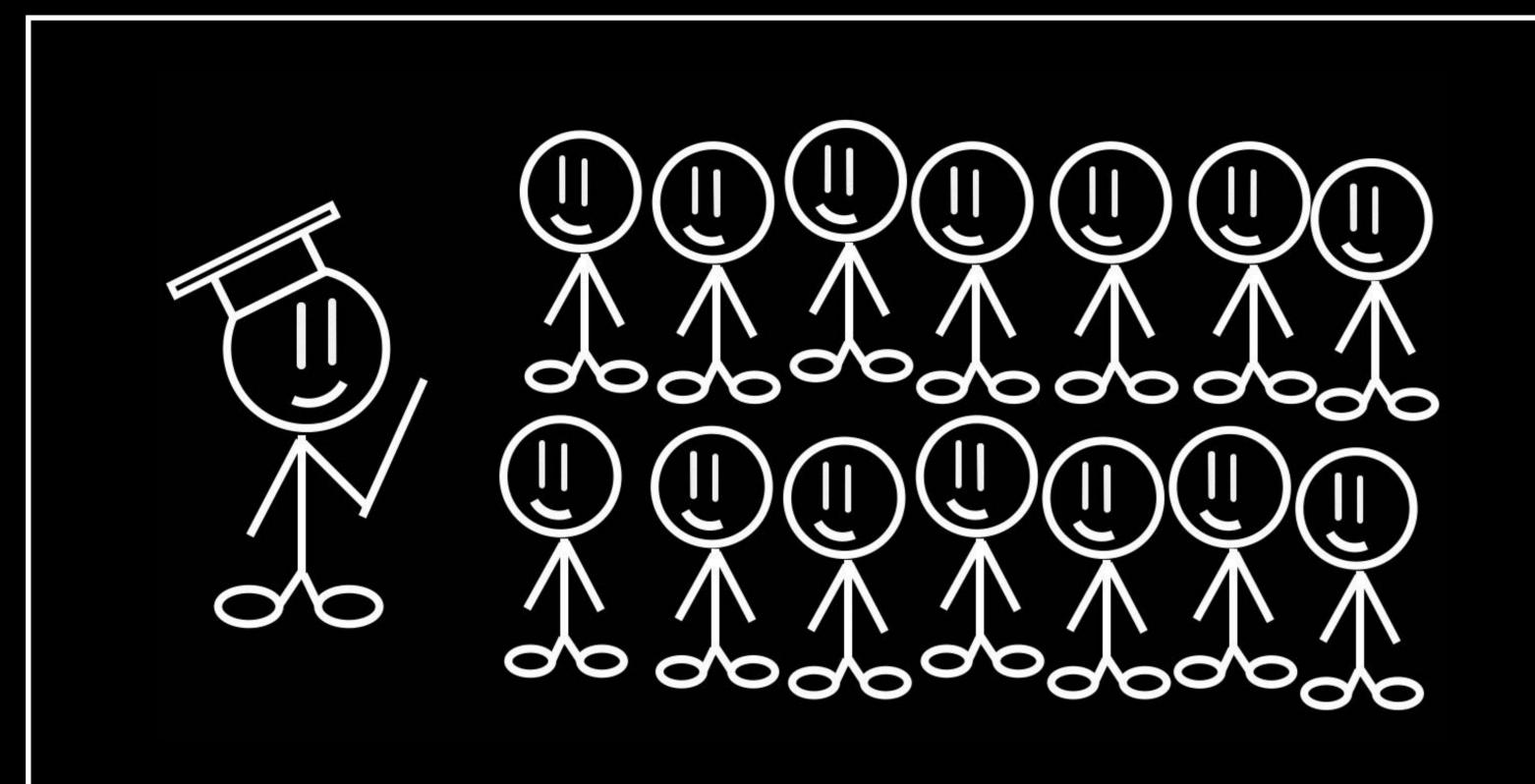


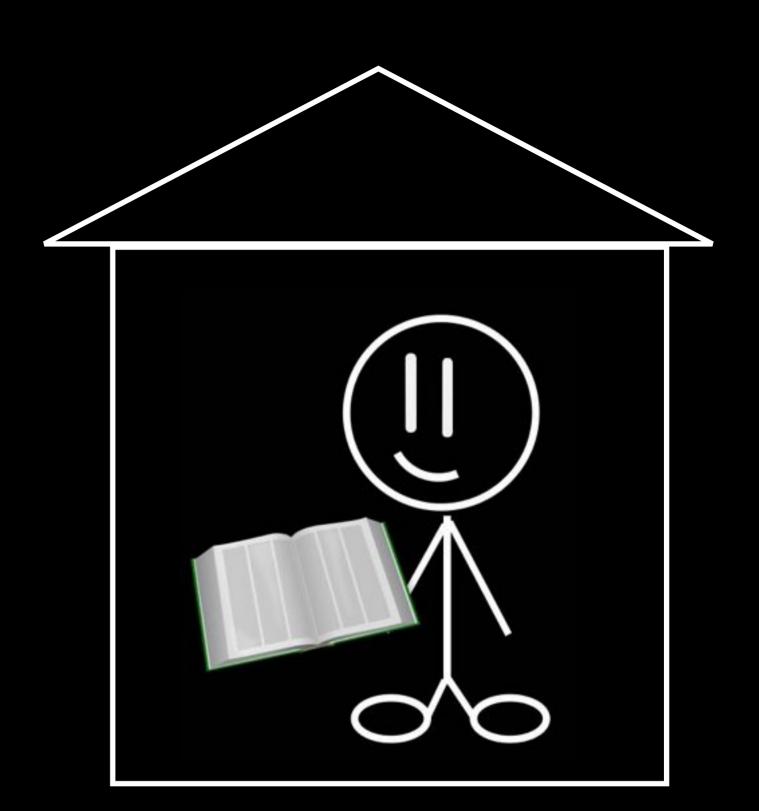
Discipline



YOU are the most important resource in your classroom



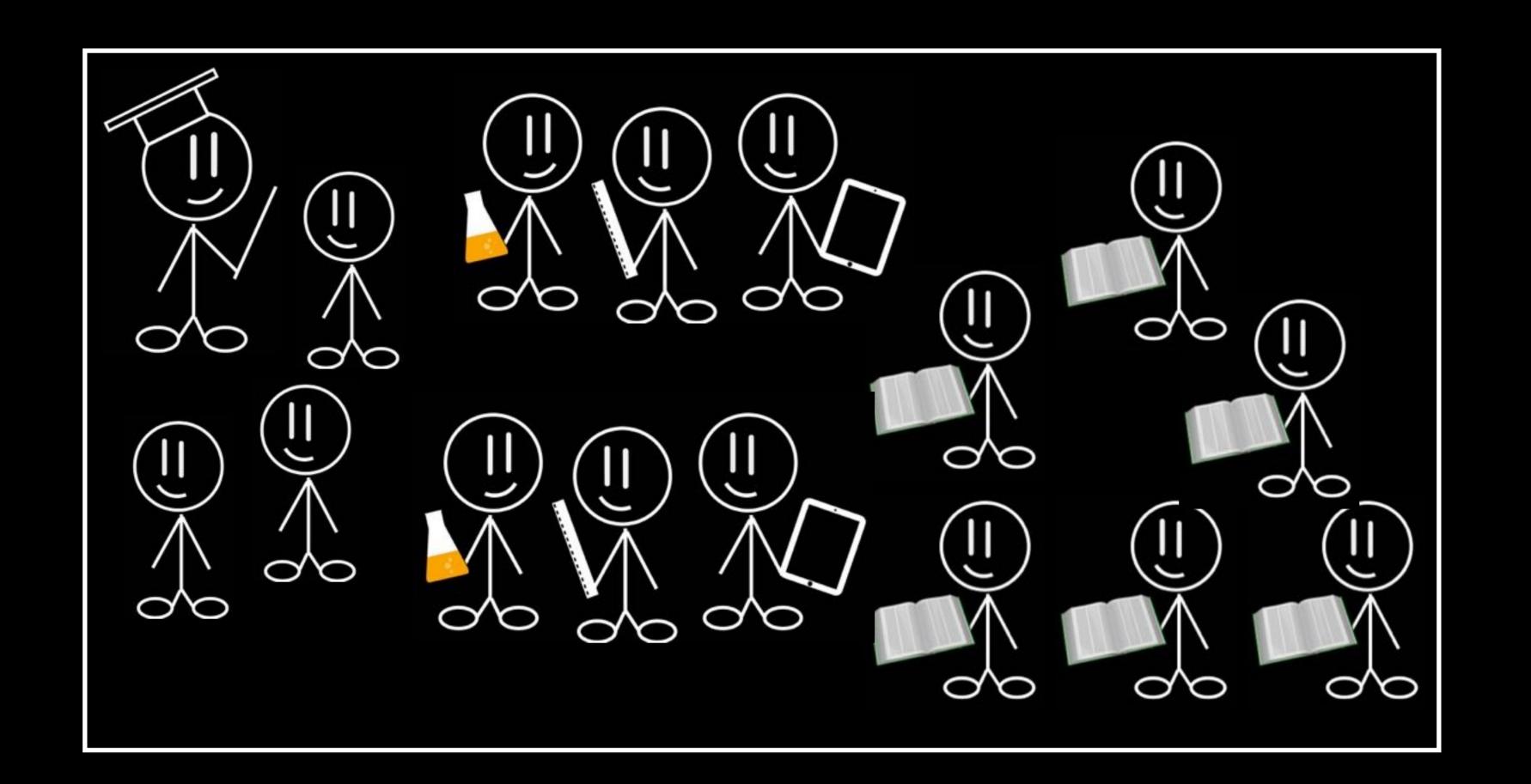


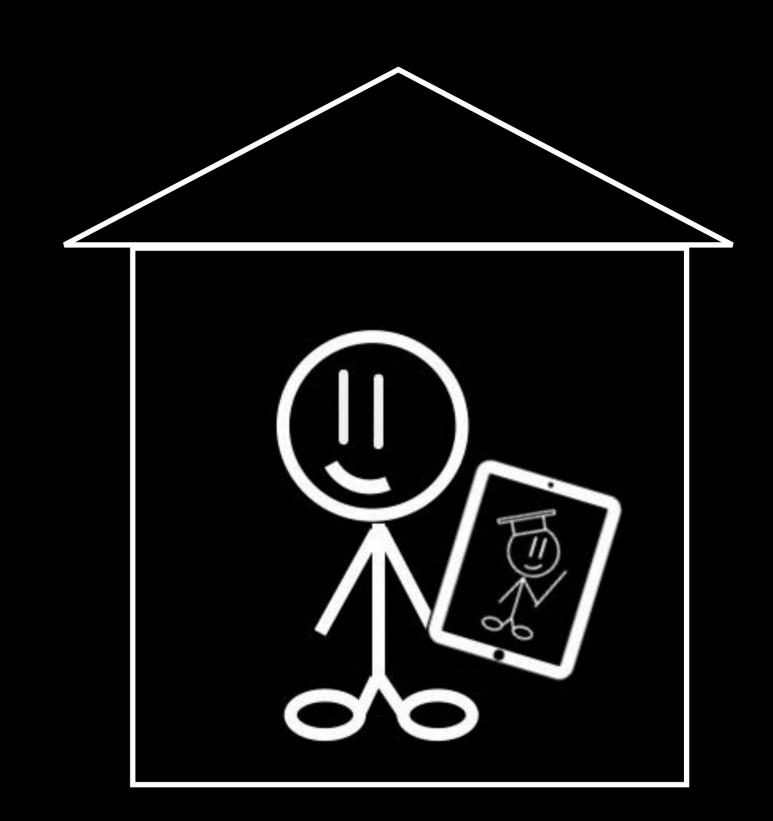


Flipped

Mastery

Blended

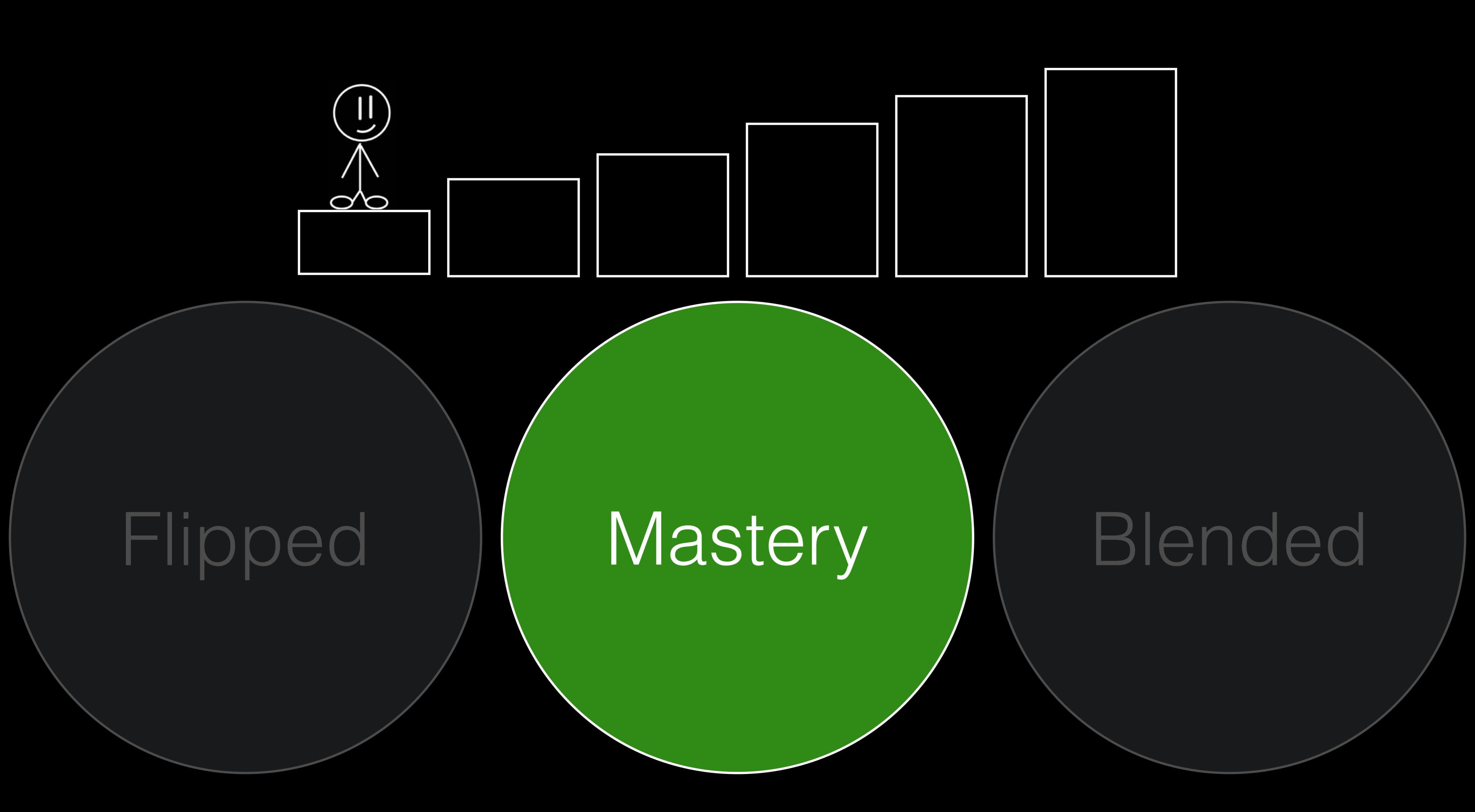




Flipped

Mastery

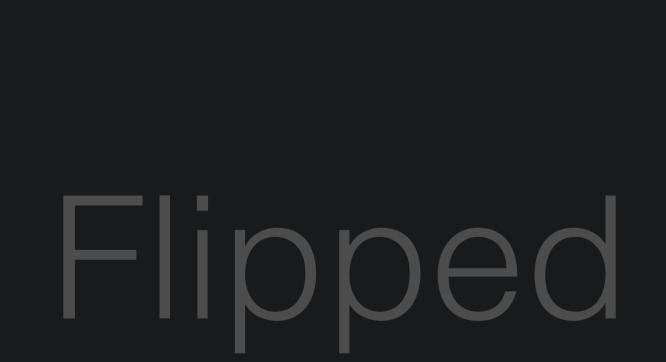
Blended





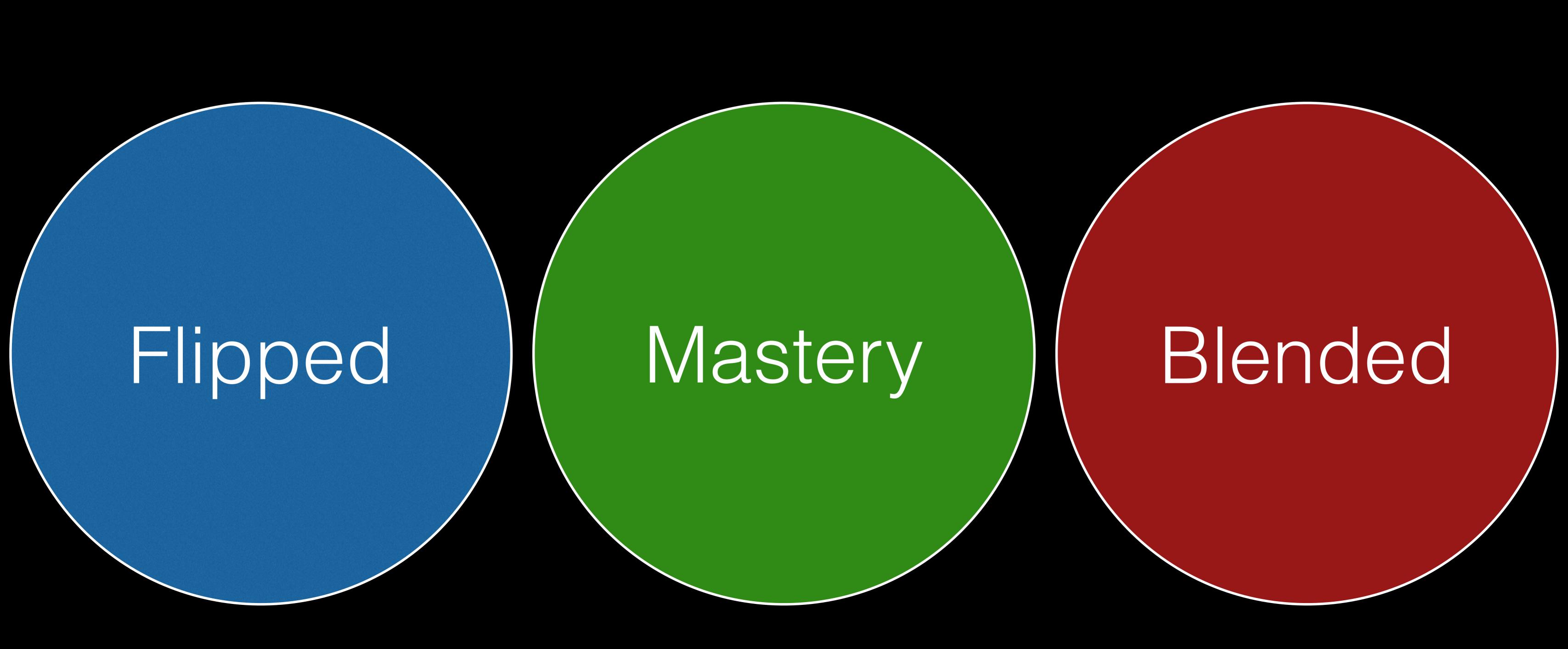


Online



Mastery

Blended





How to draw an Owl.

"A fun and creative guide for beginners"

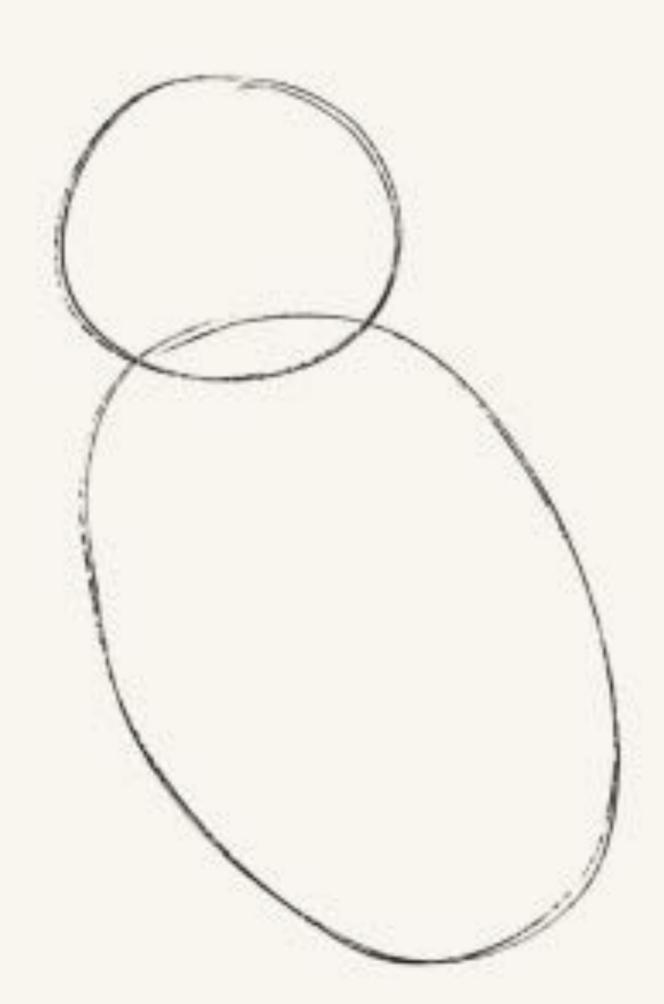


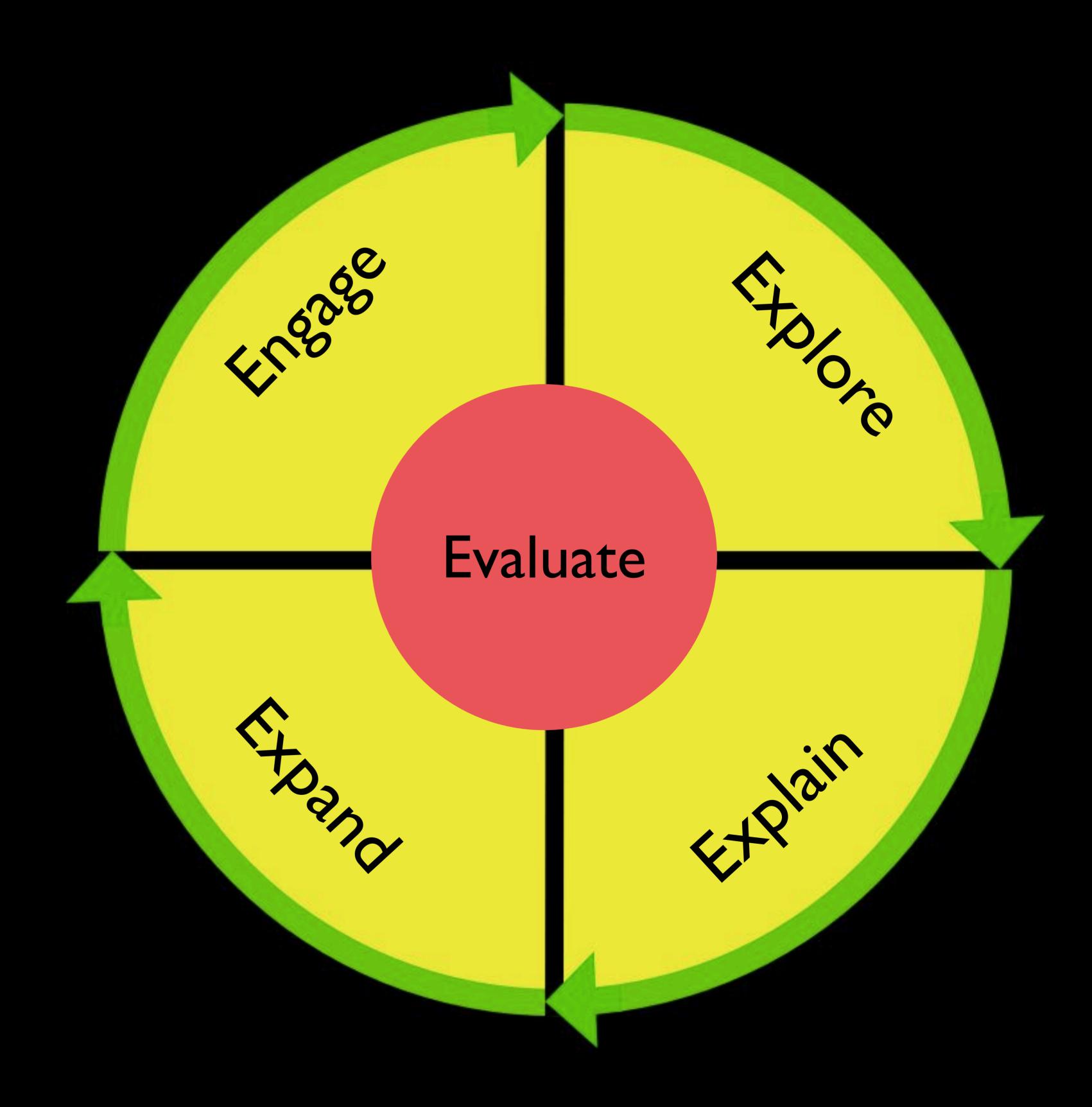
Fig 1. Draw two circles

Blended Learning

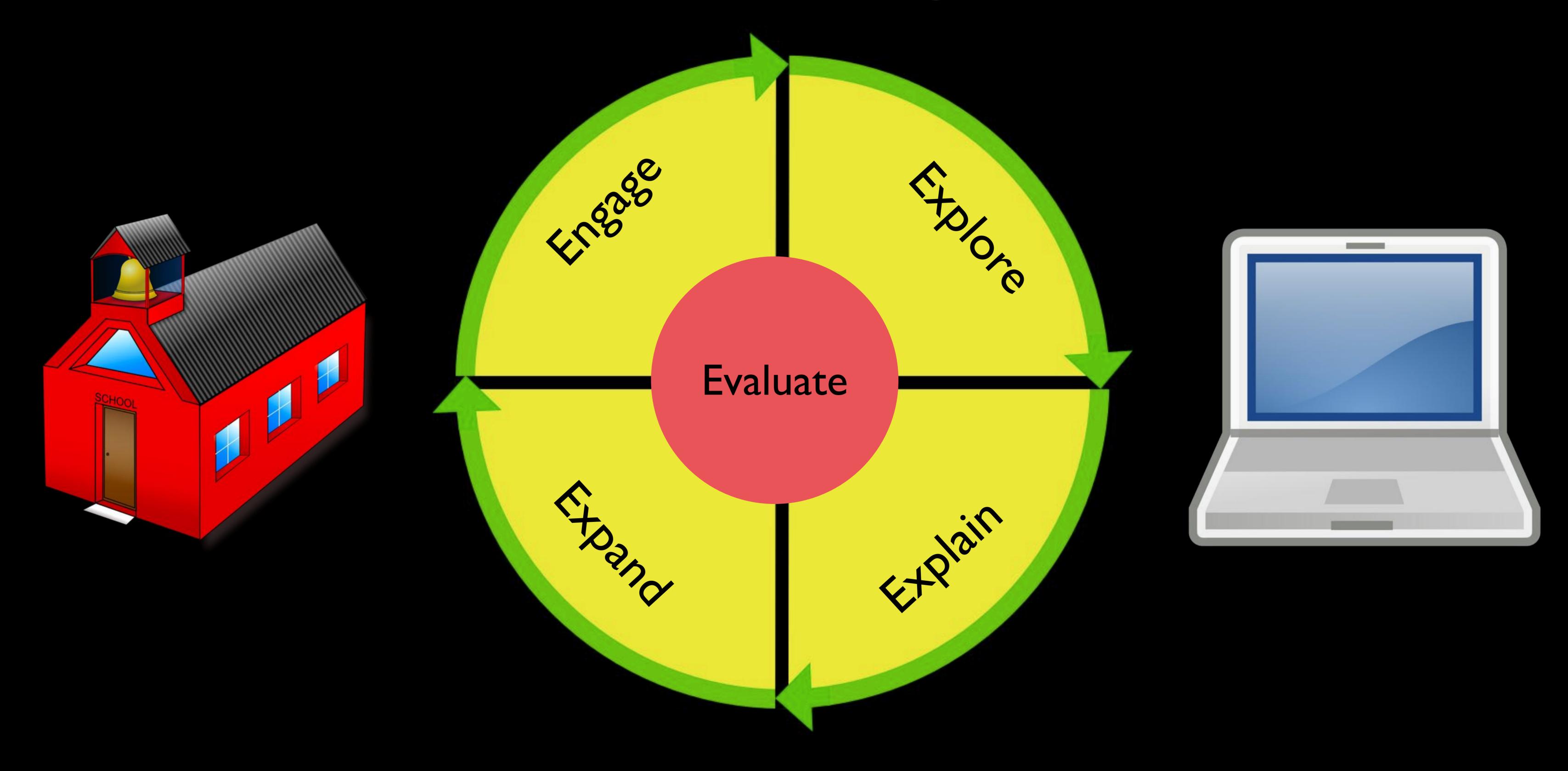
Learning Cycle







Blended Learning Cycle





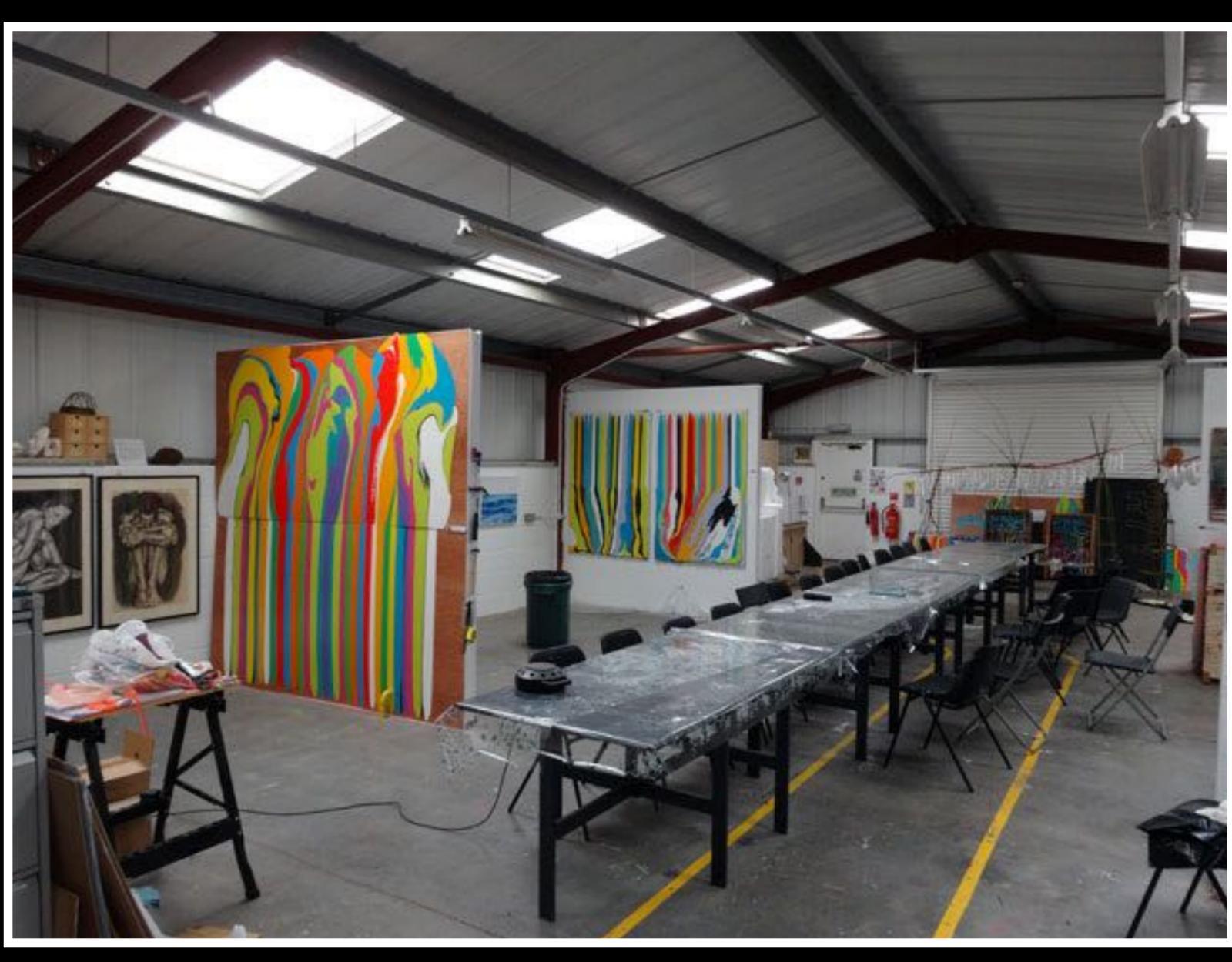
What Will the School of the Future Look Like?





What Will the School of the Future Look Like?





The Problem

— 1 mile —

Minch

What we teach

Practices

How we teach

ldeas

What we teach

Students are

Music Math Writing Science

Musicians Artists Mathematicians Writers Scientists

6 ractices

ractices Require



Practice

Practice 10,000 Hours

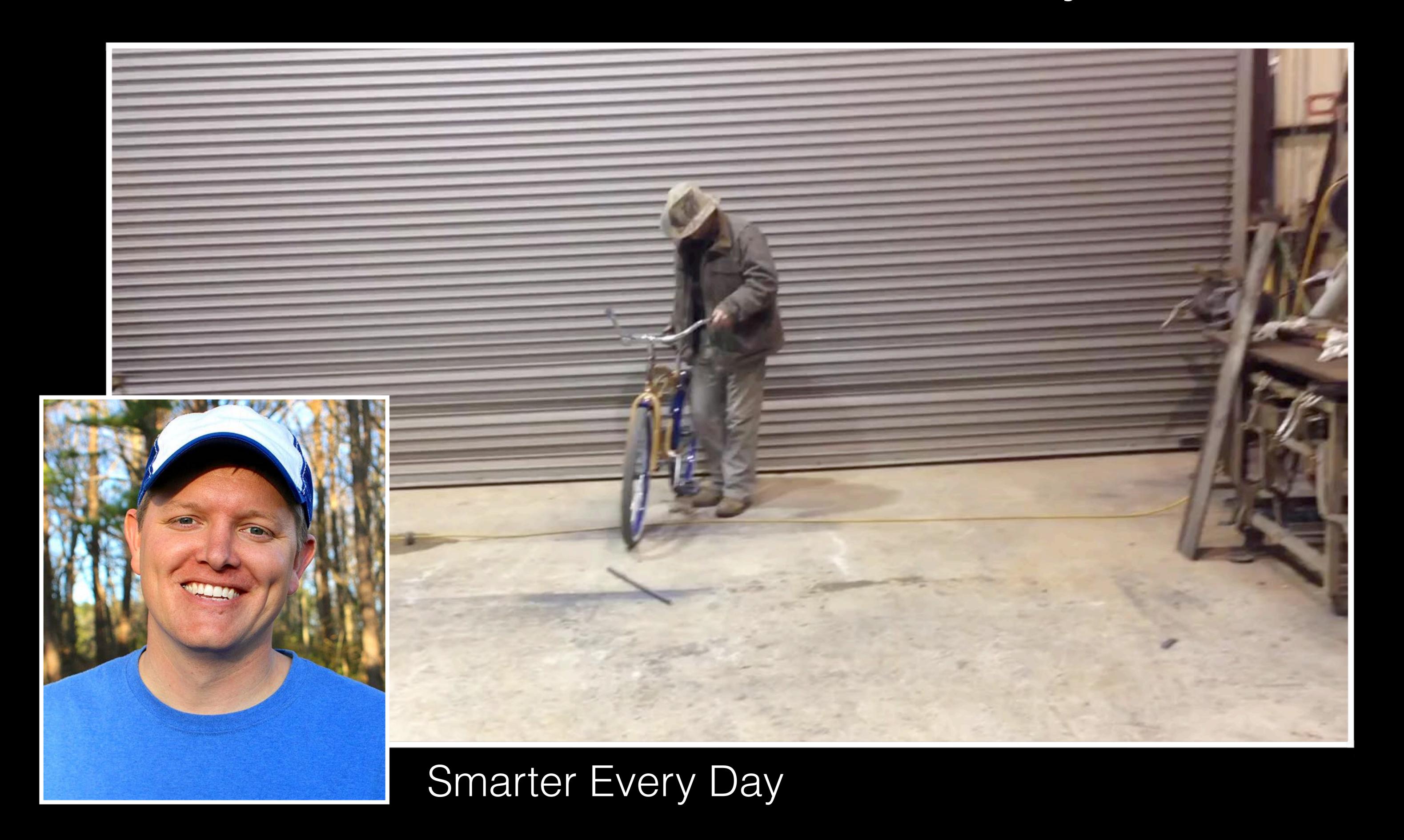
Practice



Spaced

Interleaved

Varied





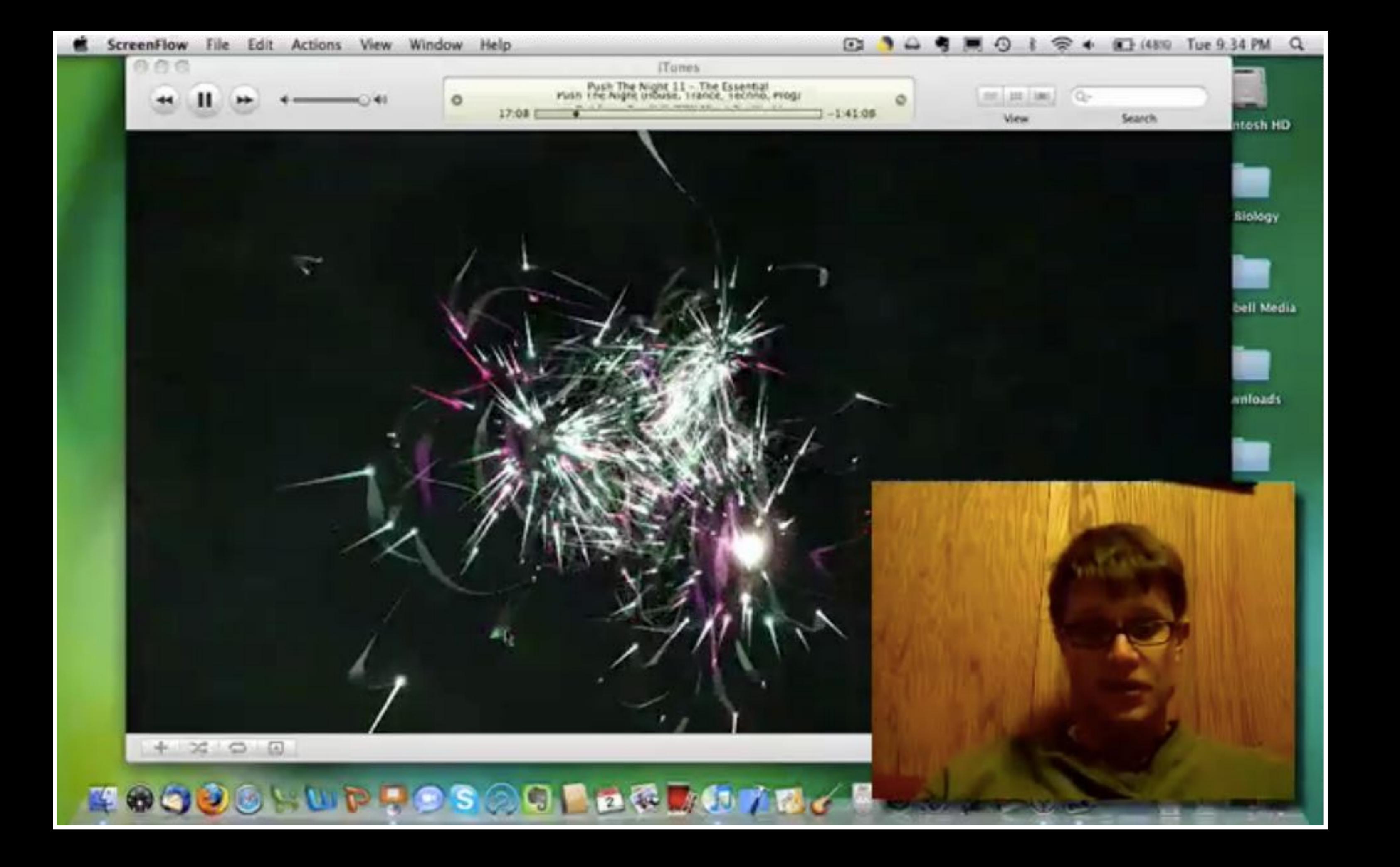
Smarter Every Day



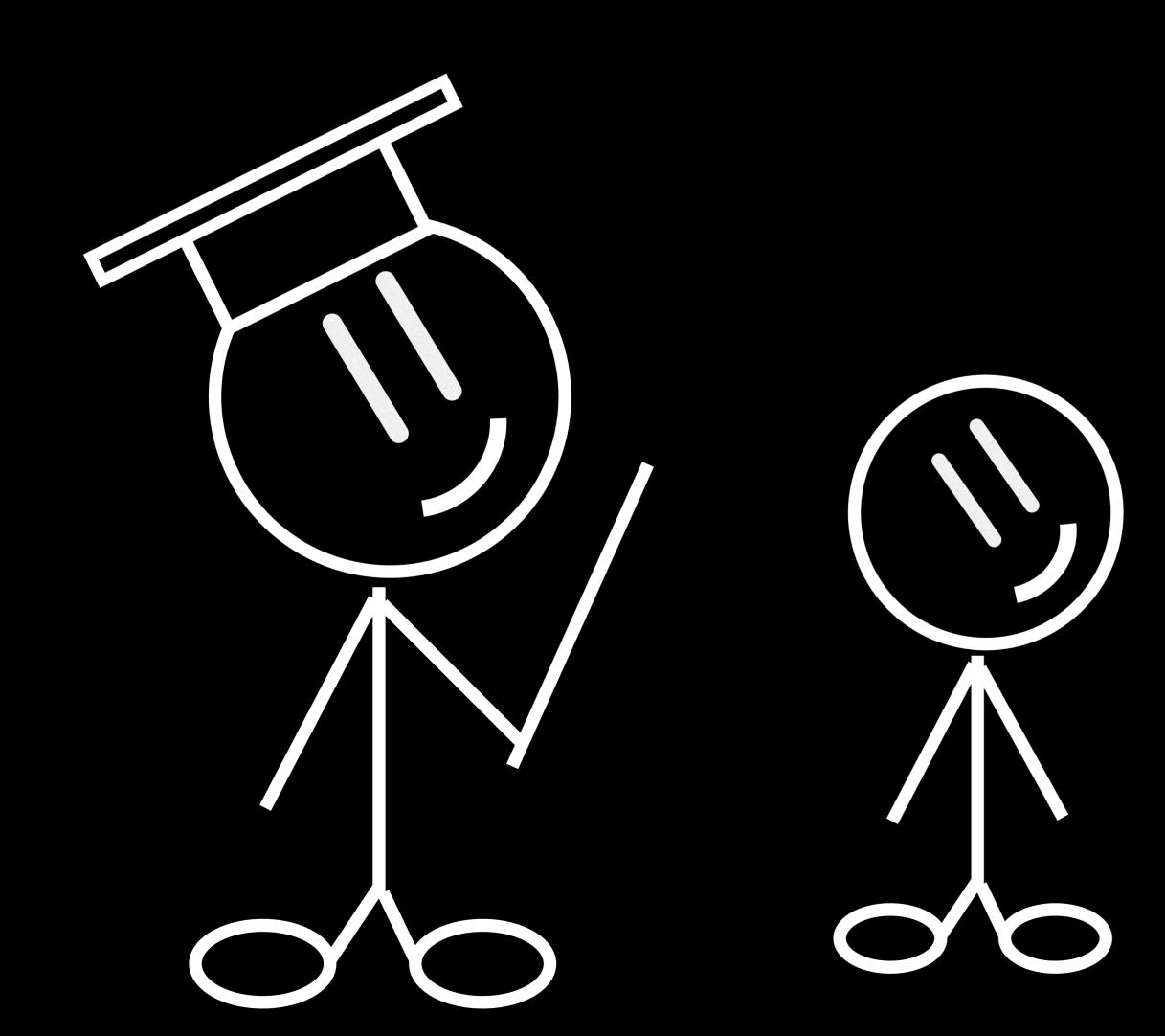
Smarter Every Day



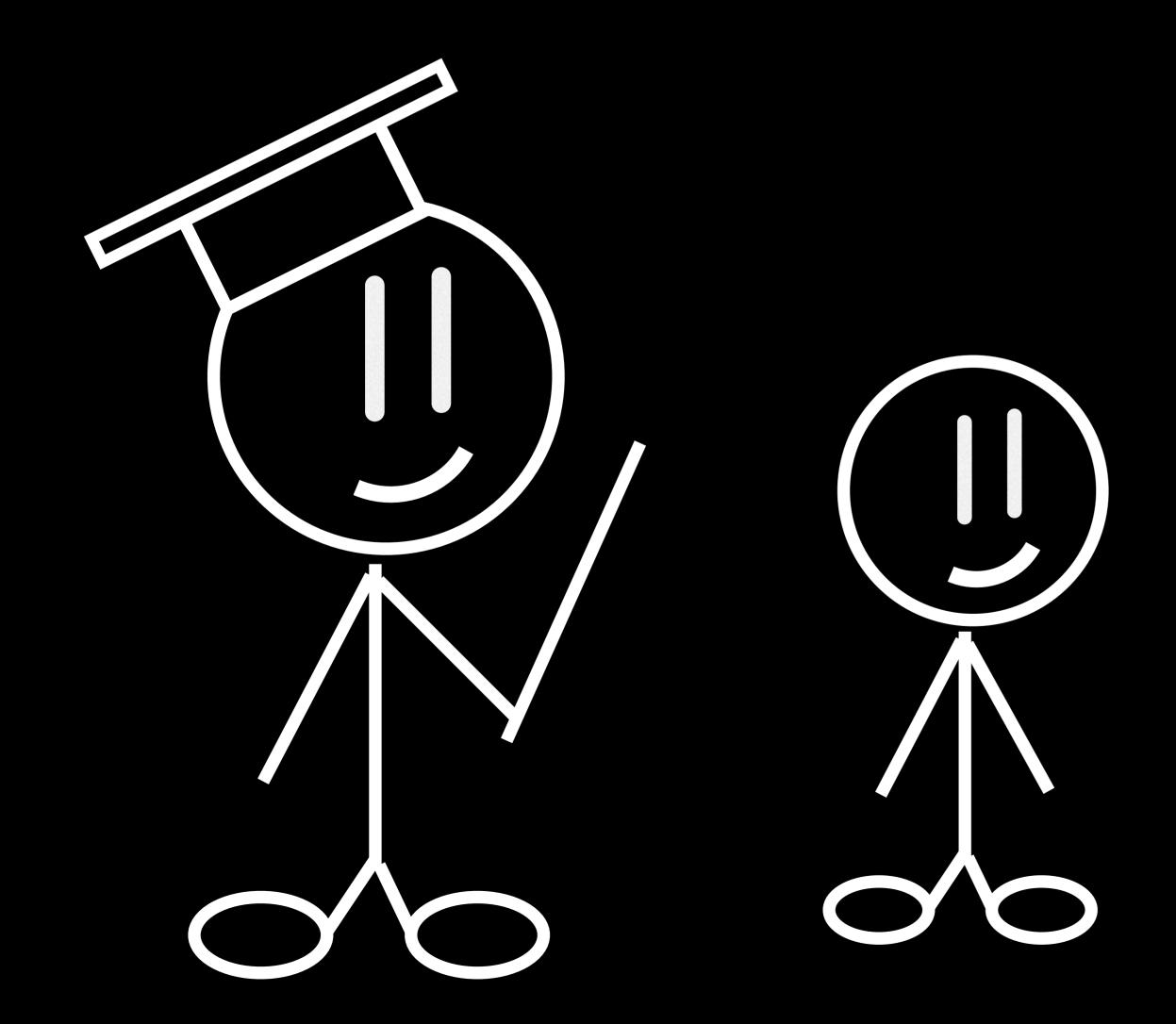
Smarter Every Day



autonomy

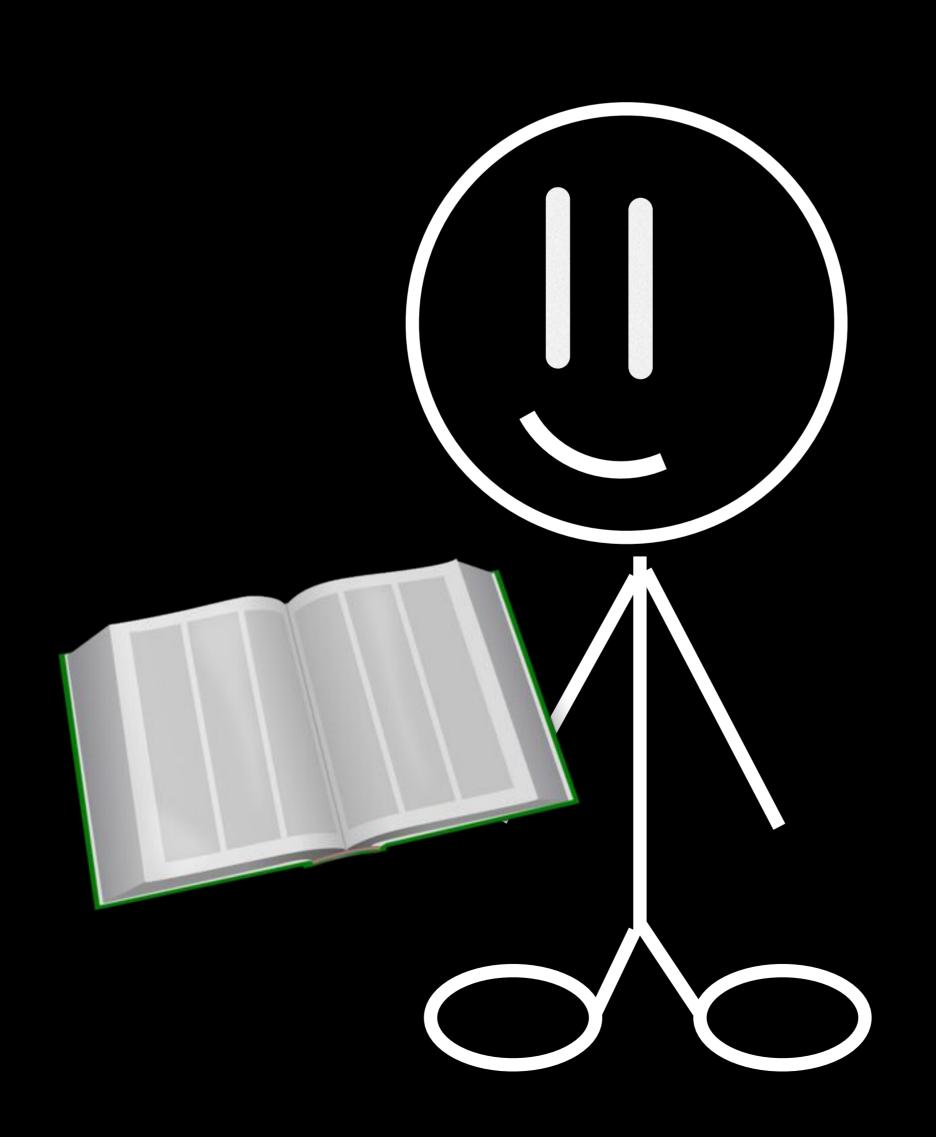


autonomy

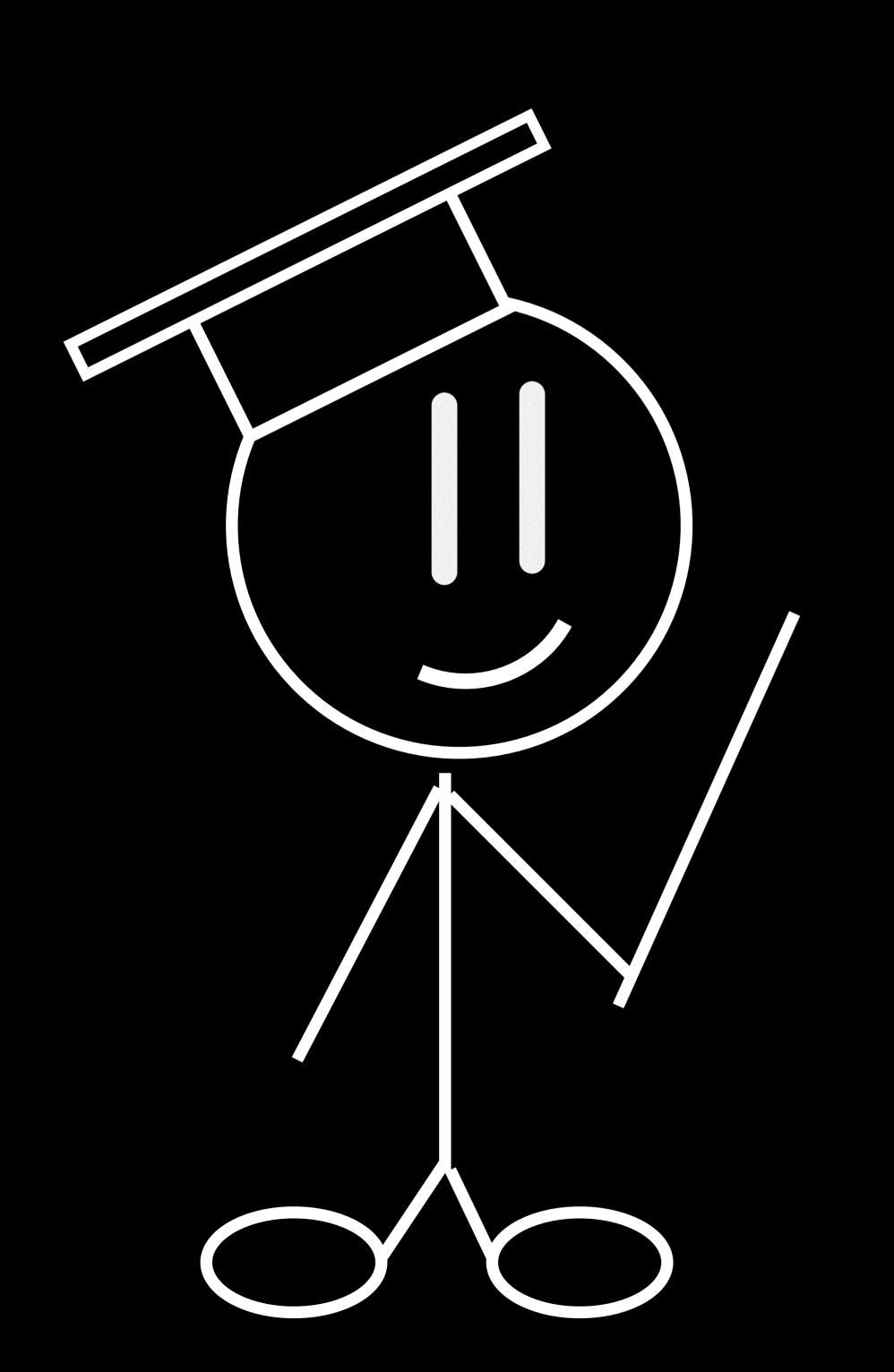


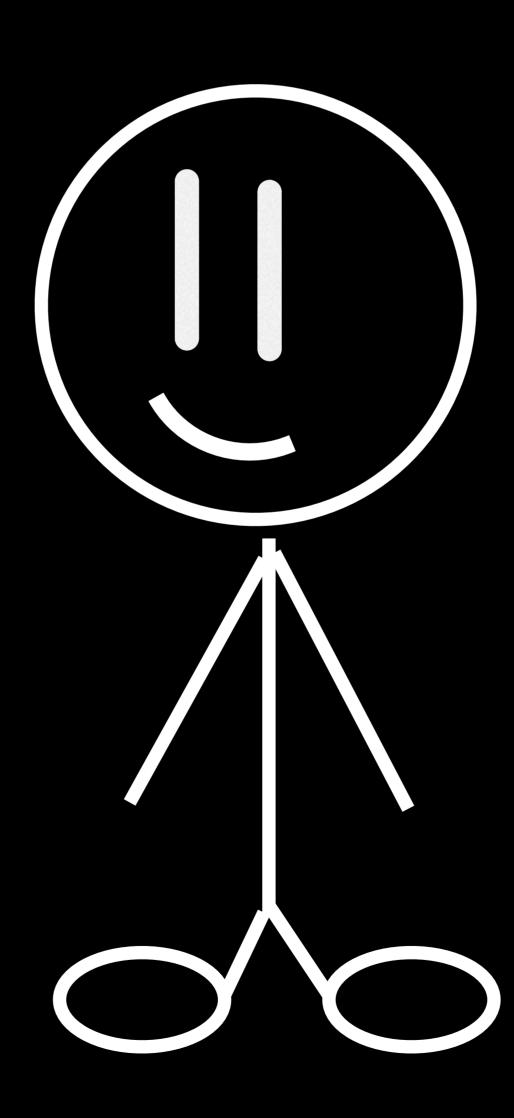
Proper Group Size

ONE is for learning, private and active.

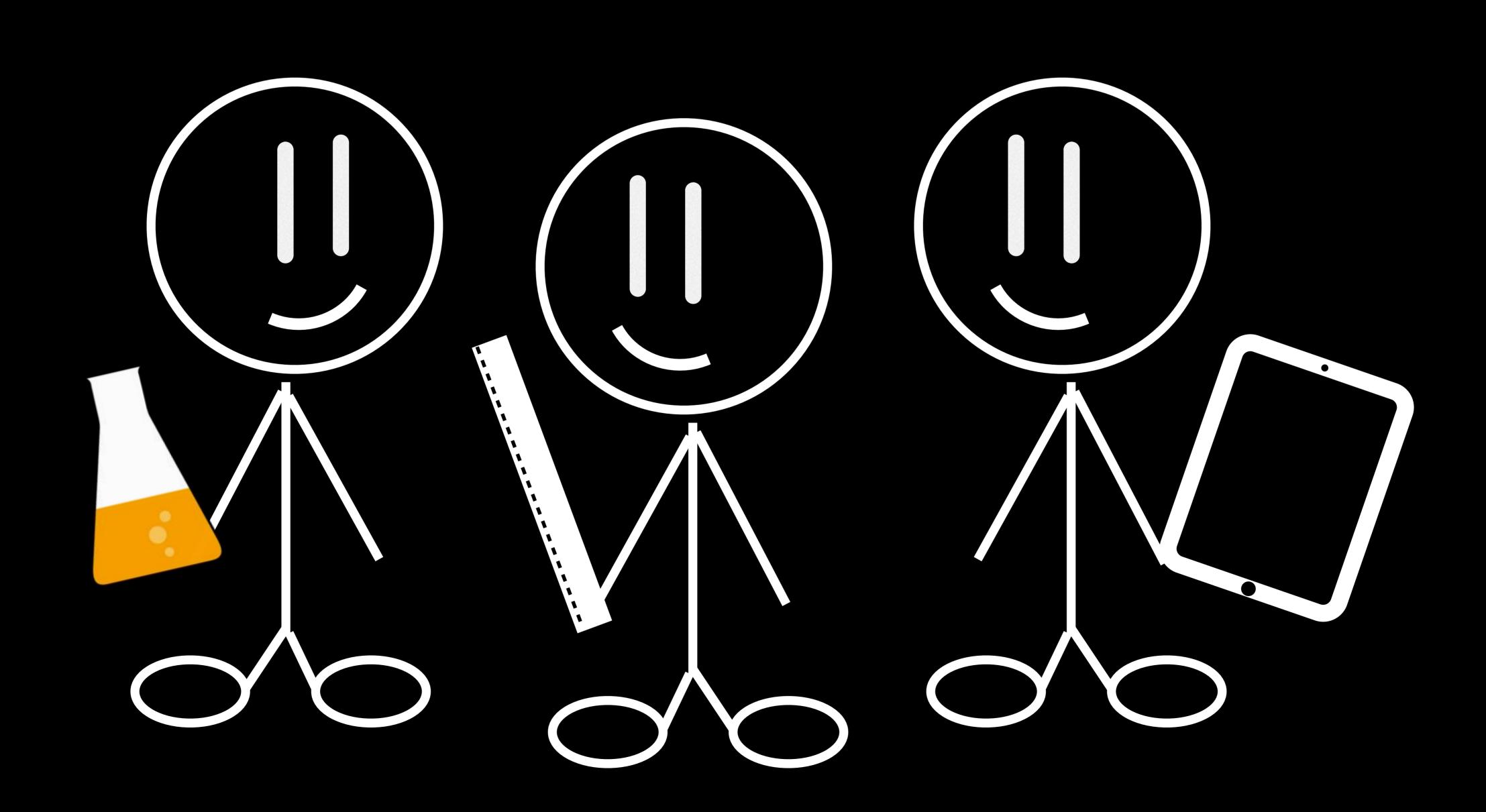


TWO is for teaching, it goes both ways.

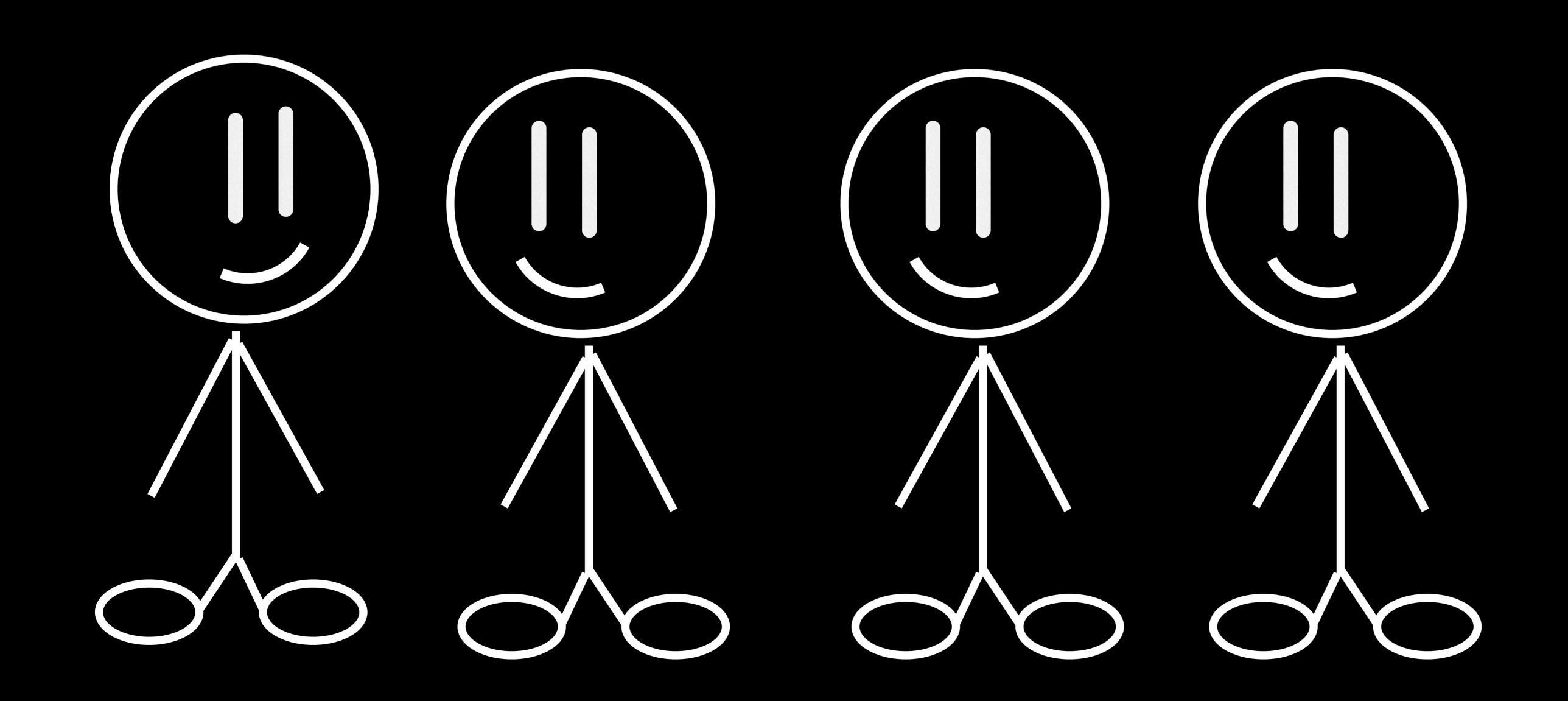




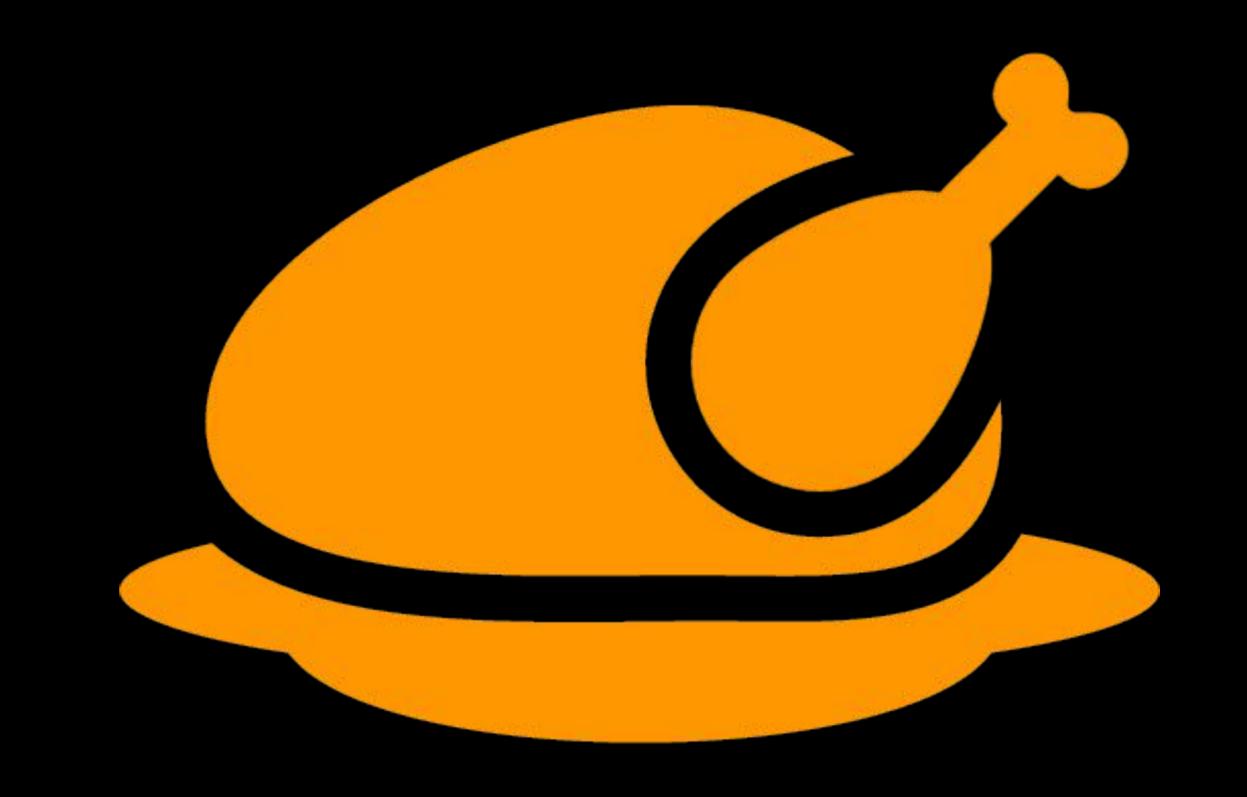
THREE is for working, the job divided.

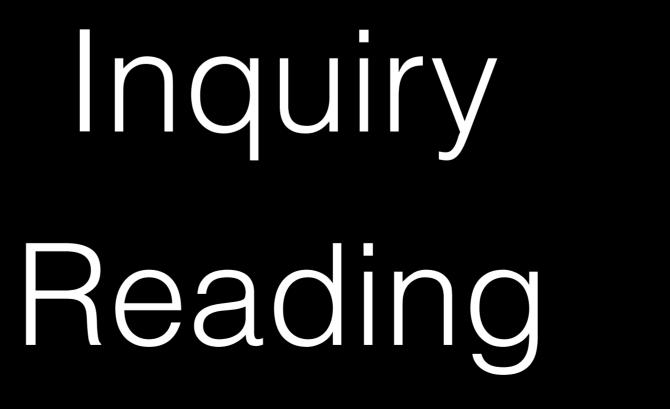


FOUR is for nothing but wasting the days.

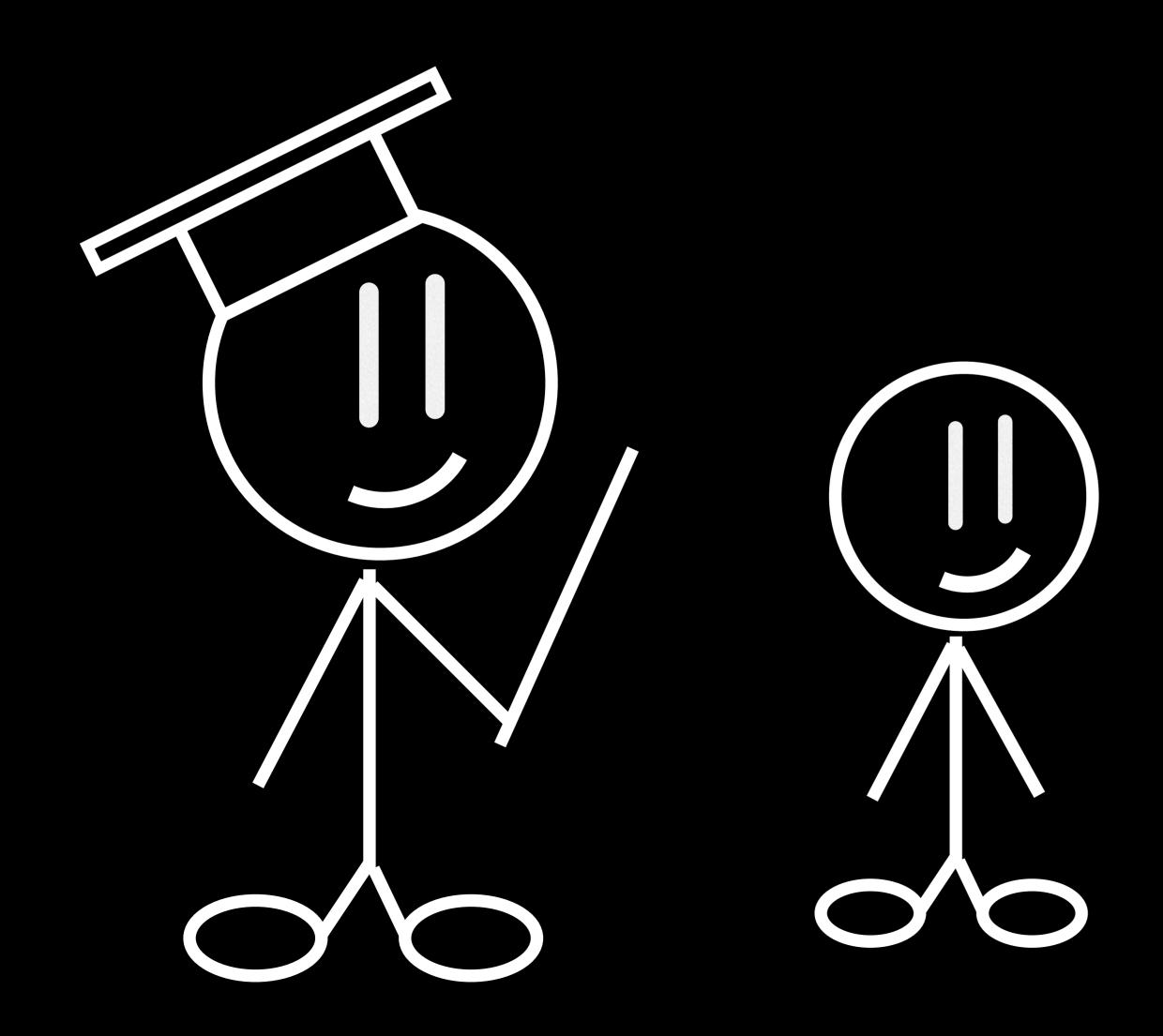


autonomy

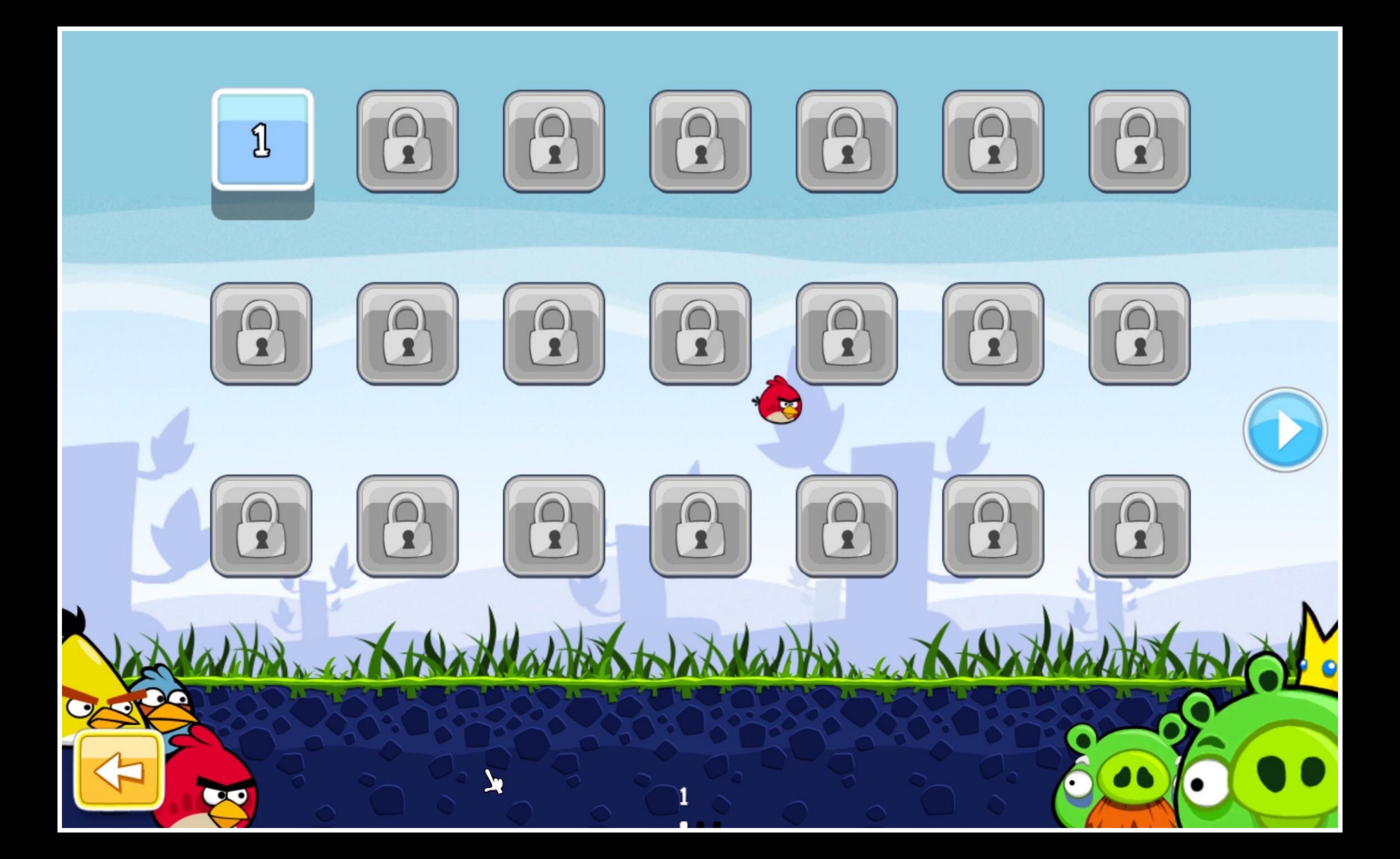




Graphing Writing



Why are games fun?



FIOW Anxiety Boredom Skills High LOW

Challenges

LOW

High

last slide

